



Quarterly Report and Annual Sampling Results

**April 2012 – June 2012
Spill Nos. 95-12713 and 96-00355**

Prepared for:

**United States Department of Homeland Security
Science and Technology Directorate
Office of Research and Development
Plum Island Animal Disease Center
Plum Island, Suffolk County, New York**

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1.0 Introduction

A light non-aqueous phase liquid (LNAPL) remediation project is being performed at the United States Department of Homeland Security (USDHS), Plum Island Animal Disease Center (PIADC) facility, located on Plum Island in Suffolk County, New York (the site). Miller Environmental Group, Inc. (MEG) performs the Operations and Maintenance (O&M) of the LNAPL recovery systems under General Services Administration Contract Number HSHQPD-11-P-0000P. This document contains a summary and assessment of the LNAPL recovery effort from the period of April through June 2012.

The New York State Department of Environmental Conservation (NYSDEC) assigned Spill Numbers 95-12713 and 96-00355 to the releases addressed by the LNAPL recovery project. Both spills are located in close proximity to Building 102 (Figure 1). The objective of the remedial measure is to restore the subsurface to an acceptable condition as defined by the NYSDEC Spill Technology and Remediation Series (STARS) Memo #1 Petroleum Contaminated Soil Guidance Policy, August 1992; and to achieve this objective in a manner in keeping with the requirements of the NYSDEC Guidance for Petroleum Stipulation Agreement. This phase of the remediation effort includes the removal of petroleum hydrocarbons to a point where they present no further risk to human health and the environment.

Remediation of LNAPL is through the operation and maintenance of the pneumatic LNAPL recovery system; the Spill Buster® in well MW-106 and the skimmer in well MW-103, both installed on May 13, 2011; and, Spill Busters in wells MW-104 and MW-105, both installed on November 1, 2011. Pneumatic pumps are installed in wells PI- 12 New, PI-12 Old, PI-11, PI-7, PI-34, and PI-35.

The fully automated system is on a timer and operated 8 hours per day, 365 days per year. During this period, seven wells had operating pneumatic recovery pumps configured to discharge into a centrally located 1,000-gallon above ground storage tank (AST) equipped with secondary containment and high level alarms. Information regarding pneumatic recovery system specifications and standard operating procedures (SOPs) can be found in the *Operations and Maintenance Manual* (MEG, 2004) and its subsequent revisions.

This report contains a summary of activities performed at the site during this three month reporting period (Section 2.0), a summary of groundwater monitoring and sampling activities performed this period (Section 3.0), a summary of LNAPL recovery (Section 4.0), and a discussion of pertinent results. Supporting data, tables, and figures are included at the end of the report.

2.0 Summary of Activities

Miller Environmental Group, Inc. (MEG) is under contract to perform the operation, maintenance and monitoring activities required by the Corrective Action Plan (CAP). MEG performed regularly scheduled visits to the site approximately every two weeks for remediation system upgrades and remediation system maintenance from April through June 2012. Activities performed during regularly scheduled visits included:

- verifying proper system operation and completing the Remediation System Checklist;
- completing the Maintenance Inspection Data Sheets; and
- periodic maintenance of equipment as described in the *Operation and Maintenance Manual (MEG, 2004)*.

Other routine and non-routine activities performed on the site during this reporting period included:

- annual sampling of on-site monitoring wells (Appendix A)
- monthly monitoring of on-site monitoring wells (Appendix B);
- bi-weekly system maintenance and inspections (Appendix C);
- completion of the AST Monthly Inspection Checklist;
- repairs and adjustment to pumps and other equipment as needed;
- recovery well installation;
- emptying the recovery tank as needed; and
- monthly hand bailing of wells that have no recovery pump and have over 1/8" of LNAPL.

Table 1 is a summary of operations conducted at the site during this reporting period, including the date of performance for each task. Field data sheets for the period of this report are included in Appendix B and Appendix C.

3.0 Groundwater Monitoring

3.1 Well Gauging

Well gauging was conducted monthly at 15 recovery wells and monthly at all monitoring wells from April through June, 2012. Please note that on April 4, 2012 an additional recovery well was installed. The location of this well can be seen in Figure 1: Monitoring Well Product Location Map. The recovery well has been labeled as RWELL. Tables 2 and 3 contain summaries of monthly recovery well and monitoring well gauging data, respectively. MEG personnel manually remove LNAPL from monitoring wells by hand-bailing during monthly monitoring site visits. True LNAPL thickness in the formation surrounding recovery wells cannot be determined because the pumps are continuously removing LNAPL; therefore product thickness findings represent only product presence.

Table 2 illustrates fluctuations in product thickness in recovery wells over time. LNAPL was detected in 10 of 15 recovery wells during the quarter at thicknesses ranging from a trace to 0.74 feet. All recovery wells containing LNAPL had observed LNAPL thickness fluctuations of less than one foot in this quarter. In comparison, LNAPL was detected in 8 of 14 recovery wells during the January 2012 to March 2012 monitoring period at thicknesses ranging from 0.01 from 0.71 feet.

Eighteen wells have historically been monitored regularly and include PI-6, PI-8, PI-13, PI-14, PI-15, PI-18, PI-20, PI-21, PI-24, PI-26, PI-27, PI-28, PI-29, PI-30, PI-32, PI-37, PI-38, and PI-39. Historical and current monitoring data for these wells are contained in Table 3.

Monthly monitoring of the following additional wells commenced in September of 2010 PI-7, PI-9, PI-10, PI-11, PI-12 (old), PI-12 (new), PI-19, PI-22, PI-23, PI-33, PI-34, PI-35, PI-36, MW-100, MW-101, MW-103, MW-104, MW-105, MW-106, MW-108, and MW-109. During the most recent monitoring event conducted on June 25, 2012, LNAPL was detected in 9 of 21 additional wells monitored at thicknesses ranging from 0.01 to 0.11 feet. Monitoring data for these wells are contained in Table 3a.

Figure 1 illustrates wells containing LNAPL during the most recent monthly monitoring event conducted on June 25, 2012.

3.2 Annual Groundwater Sampling

Quarterly groundwater sampling was discontinued as of August 27, 2010. The last quarterly sampling event took place on June 25, 2010. A summary of the historical laboratory analyses can be found in Table 4, Historical Groundwater Analytical Data. Groundwater sampling is now conducted on an annual basis and was conducted on June 11 and 12, 2012.

On July 11 and 12, 2012, groundwater samples were collected from the 11 wells listed on the CAP quarterly sampling list in addition to PI-8, PI-24, PI-21, PI-37, PI-13 and PI-20; and analyzed for semi-volatile organic compounds (SVOCs) and volatile organic compounds (VOCs) by the United States Environmental Protection Agency (USEPA) test methods 8270 and 8260, respectively. A groundwater analytical sample was not collected from well PI-39 because of the presence of product at the time of sampling (Figure 1). Table 4 contains a summary of historical groundwater quality data. Table 5 contains a summary of analytical results from groundwater samples collected on June 11 and 12, 2012. A complete copy of the laboratory report is included in Appendix A.

Naphthalene concentrations this annual round exceeded NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 criterion in the groundwater sample from well PI-6 at a concentration of 22 ug/l, well PI-29 at a concentration of 25 ug/l, well PI-24 at a concentration of 42 ug/l, well PI-21 at a concentration of 52 ug/l, and well PI-13 at a concentration of 60 ug/l. The detections in this sampling round represent a decrease when compared to the previous year. 2-methylnaphthalene was also detected in wells PI-37 and PI-13 with concentrations of 120 ug/l and 59 ug/l respectively.

SVOC's detections were also present in PI-18, PI-27, PI-28R, PI-30R, PI-20 and PI-38. However, these detections did not exceed NYSDEC TAGM 4046 criterion. Overall, historical concentrations of SVOCs detected in groundwater at the site have remained relatively consistent, with no distinct trends.

VOC's detected exceeding clean up objectives were found in PI-6, PI-29, PI-24, PI-21, PI-37 and PI-13. The highest observed concentration was found in PI-21 with 1,2,4 - Trimethylbenzene concentrations of 52 ug/l.

4.0 LNAPL Remediation System

4.1 System Design

The LNAPL remediation system uses pneumatic hydrophobic oil-skimmer pumps, Spill Busters, and a down-well skimmer to remove LNAPL from recovery wells. The LNAPL and incidental water recovered is stored in a 1,000-gallon AST located adjacent to the remediation building. MEG personnel measure the volume of LNAPL and water in the AST during each system inspection.

4.2 Remediation System Performance

The amount of LNAPL and water in the AST is measured during each site visit. The cumulative amount of oil and water collected for the quarter; and, total amount since system startup and VEFR activities, are summarized in Table 6 and shown graphically on Figures 2 and Figure 3, respectively. The recovered LNAPL is pumped into 55-gallon

drums and re-used on site in a waste oil burner to provide heat to PIADC Building W in winter months. Decanted water from the recovery tank is treated by pumping through a carbon vessel and pumped to the subsurface with the use of injection wells MW-06 and MW-20.

In this reporting period from April through June 2012, the pneumatic system, spill busters and belt skimmer recovered 81 gallons of LNAPL and 699 gallons of water. From startup on July 29, 2001 through June 2012, the remediation system recovered a total of 6,106 gallons of LNAPL and 39,002 gallons of water.

As part of an effort to increase product recovery, the pneumatic pump system was supplemented with other LNAPL-recovery technologies. These technologies include two magnum spill busters and one belt skimmer. Note that product recovered by these units is discharged into 55-gallon drums located at the well head. Periodically the contents of these drums are transferred to the AST. During this quarter only product recovered by the spill buster located in MW-105 was transferred to the AST. On April 10, 2012 33 gallons of product recovered from MW-105 was transferred to the AST. Overall, the belt skimmer has provided the greatest recovery during the past quarter; an estimated 28.5 gallons of product was removed from MW-103. Also during this quarter, an estimated 2.73 gallons of product was removed from MW-106 and 6.63 gallons of product was removed from MW-105 with spill busters. Prior to installation of the present LNAPL recovery technologies, PIADC historically used VEFR to extract LNAPL from the recovery wells. The cumulative amount of LNAPL removed from the subsurface since June 3, 1998, utilizing VEFR (both past and present) and the automated remediation system is 9,849 gallons.

5.0 Recommendations

MEG recommends that the current bi-weekly systems inspections, monthly monitoring, monthly tank inspections, annual groundwater sampling, and quarterly reporting should continue through the next several quarterly reporting periods. The field technician noticed a recent increase in bacteria in the wells. It is recommended that the wells be re-developed and cleared of bio-fouling.

TABLES

Table 1
Summary of Remediation System Operations & Maintenance
Plum Island Animal Disease Center
April - June 2012

Date	Routine System Check	Empty Tank	Decant Product Tank	Monthly Well Monitoring	Tank Inspection	Wells Bailed Or VEFR	Pump Repairs	Sampling	Non Routine Maintenance and Comments
4/4/2012	No	No	No	No	No	No	No	No	Recovery Well Installation
4/10/2012	Yes	Yes	Yes	No	Yes	Yes	No	No	Removed Product From MW-105 Spill Buster Product Recovery Drum. Remove Product From Recovery Tank
4/12/2012	No	No	No	No	No	No	No	No	Develop Recovery Well
4/18/2012	No	No	No	Yes	No	Yes	No	No	Monthly Monitoring
4/26/2012	Yes	No	Yes	No	No	No	Yes	No	Clean and Changed Filters on Pump in PI-12 old
5/11/2012	Yes	No	No	No	Yes	No	Yes	No	Cleaned and Changed Filters on Pumps in PI-12 old, PI-11 and PI-7
5/24/2012	No	No	No	Yes	No	No	No	No	Disconnected Spill Buster, Skimmer, and Product Recovery Drums For Storm Preparation
5/29/2012	No	No	No	Yes	No	Yes	No	No	Monthly Monitoring
6/7/2012	Yes	No	Yes	No	Yes	Yes	No	No	Changed Compressor Oil
6/11/2012	No	No	No	No	No	No	No	No	Annual Sampling
6/12/2012	No	No	No	No	No	No	No	No	Annual Sampling
6/19/2012	Yes	No	No	No	No	Yes	No	No	System Off Upon Arrival, System Restarted
6/25/2012	No	No	No	Yes	No	Yes	No	No	Monthly Monitoring

Table 2
Well Gauging Data Summary - Recovery Wells
Plum Island Animal Disease Center
April - June 2012

Date	PI-12 Old			PI-12 New			PI-33		
	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT
4/18/12	13.71	13.79	0.08	13.75	13.81	0.06	x	12.94	x
5/29/12	13.88	13.91	0.03	13.91	14.00	0.09	12.88	12.89	0.01
6/25/12	13.46	13.54	0.08	13.50	13.55	0.05	x	12.80	x

Date	PI-34			PI-35			PI-36		
	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT
4/18/12	x	12.87	x	x	12.66	x	x	12.55	x
5/29/12	12.50	12.65	0.15	12.96	13.09	0.13	x	12.20	x
6/25/12	x	11.75	x	12.49	12.54	0.05	x	12.61	x

Date	PI-19			PI-11			PI-7		
	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT
4/18/12	x	13.93	x	13.17	13.91	0.74	x	12.90	x
5/29/12	x	14.04	x	13.40	14.14	0.74	13.20	13.25	0.05
6/25/12	13.64	13.65	0.01	13.05	13.06	0.01	12.55	12.61	0.06

Date	PI-22			PI-10			PI-9		
	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT
4/18/12	x	12.57	x	x	13.19	x	12.58	12.59	0.01
5/29/12	x	12.34	x	x	12.96	x	12.40	12.41	0.01
6/25/12	x	12.37	x	x	12.92	x	x	13.09	x

Date	PI-23			PI-24			RWELL		
	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT
4/18/12	x	11.60	x	x	12.04	x	17.36	17.37	0.01
5/29/12	x	11.44	x	x	12.33	x	17.66	17.67	0.01
6/25/12	x	11.66	x	x	12.61	x	17.17	17.18	0.01

Key:

DTP - Depth To Product

DTW - Depth To Water

PT - Product Thickness

NA - Not Applicable

ND - Non Detect

x - No Product Detected

Note: All measurements in feet.

Table 3
Well Monitoring
Historical Monitoring Data

Key:

DTP = Depth to Product

DTW = Depth to Water

PT = Product thickness

NA = Not Applicable/Not Gauged

ND = Non Detect

A = Abandoned

Table 3
Well Monitoring
Historical Monitoring Data

Date	Tide Level		PI-6		PI-8		PI-13		PI-14		PI-15		PI-18		PI-20		PI-21		PI-24		PI-26		PI-27		PI-28		PI-29		PI-30		PI-32		PI-37		PI-38		PI-39	
	Start	END	DTP	DTW	PT	DTW	PT	DTW	PT	DTW	PT	DTW	PT	DTW	PT	DTW	PT	DTW	PT	DTW	PT	DTW	PT	DTW	PT	DTW	PT	DTW	PT	DTW	PT	DTW	PT					
1/13/05	6'0"	9'7"	ND	17.78	ND	15.95	16.02	11.30	17.99	16.65	13.53	ND	12.74	ND	NA	NA	12.78	11.61	12.10	12.15	0.05	ND	13.35	ND	12.12	12.24	ND	14.42	ND	14.01	13.10	13.39	0.29					
2/17/05	6'8"	7'0"	ND	17.30	ND	16.86	15.92	17.20	17.71	16.86	13.65	ND	12.99	ND	12.64	13.00	0.36	13.82	12.85	12.25	12.32	0.07	ND	14.37	ND	12.24	10.73	ND	13.02	ND	14.17	13.66	14.51	0.85				
3/1/05	6'0"	8'7"	ND	17.68	ND	16.38	16.43	17.70	18.19	17.17	13.99	ND	13.37	ND	NA	12.22	NA	13.52	12.30	12.81	12.82	0.01	ND	14.14	ND	12.81	13.31	ND	13.44	ND	14.61	13.68	14.41	0.73				
4/1/05	7'7"	13'0"	ND	17.14	ND	16.90	15.92	17.08	17.57	16.79	12.35	ND	12.58	ND	11.70	12.03	0.33	13.70	12.78	12.01	12.20	0.19	ND	14.22	ND	11.70	11.98	ND	12.90	ND	14.07	13.55	13.90	0.35				
5/5/05	7'7"	7'0"	ND	17.04	ND	16.20	15.81	17.00	17.50	16.43	13.51	ND	12.64	ND	12.35	ND	13.08	12.25	12.28	12.34	0.06	ND	13.84	ND	12.14	12.34	ND	12.69	ND	13.98	13.41	14.20	0.79					
6/1/05	5'9"	7'8"	ND	17.45	ND	16.73	16.46	17.34	17.83	17.00	14.02	ND	13.20	ND	12.62	12.63	0.01	13.70	12.69	NA	NA	NA	ND	14.24	ND	12.60	13.15	ND	13.19	ND	14.40	14.68	14.73	0.05				
7/21/05	7'0"	7'2"	ND	17.40	ND	16.02	16.38	17.39	17.90	16.73	14.02	ND	13.03	ND	ND	12.17	ND	13.25	12.07	ND	12.50	ND	ND	13.78	ND	12.73	13.31	ND	13.07	ND	14.35	14.49	14.57	0.08				
8/4/05	6'5"	7'0"	ND	17.58	ND	16.16	16.51	17.52	18.03	16.89	14.19	ND	13.16	ND	12.36	12.37	0.01	13.42	12.20	ND	12.55	ND	ND	14.05	ND	12.85	13.48	ND	13.20	ND	14.50	14.63	14.70	0.07				
9/15/05	8'1"	6'1"	ND	17.58	ND	15.88	16.30	17.36	17.90	16.60	14.00	ND	12.98	ND	ND	12.11	ND	13.18	12.26	ND	12.30	ND	ND	14.10	ND	12.79	13.35	ND	12.95	ND	14.38	14.45	14.47	0.02				
9/28/05	7'10"	5'11"	ND	17.41	ND	16.11	16.17	17.28	17.80	16.67	14.10	ND	13.05	ND	ND	12.25	ND	13.37	12.40	12.50	12.51	0.01	ND	14.08	ND	12.61	12.69	ND	13.04	ND	14.40	14.52	14.62	0.10				
11/3/05	8'	6'8"	ND	16.75	ND	15.66	15.79	16.85	17.40	16.18	13.24	ND	*	ND	11.45	12.00	0.55	12.82	11.40	12.04	12.11	0.07	13.25	13.31	0.06	11.70	12.27	12.30	13.40	1.20	13.71	ND	13.73	ND				
12/5/05	NA	8'	ND	17.45	ND	16.75	16.34	17.50	18.01	17.06	14.03	ND	13.13	ND	ND	12.45	ND	14.72	12.58	ND	12.61	ND	ND	14.28	14.35	0.07	12.40	12.95	13.23	14.00	0.77	14.39	14.68	14.70	0.02			
12/14/05	8'3"	NA	ND	16.97	ND	NA	NA	17.01	17.57	16.25	NA	NA	NA	NA	NA	NA	NA	12.98	11.75	NA	NA	NA	ND	13.75	13.77	0.02	12.27	12.60	NA	NA	NA	13.96	ND	14.25	ND			
1/25/06	8'2"	NA	ND	16.82	ND	15.93	15.50	16.61	17.13	16.15	13.41	ND	12.39	ND	12.15	12.25	0.10	13.11	12.15	ND	11.95	ND	ND	13.81	ND	11.77	11.30	NA	NA	NA	13.56	ND	14.00	NA				
2/14/06	NA	NA	ND	17.25	ND	16.50	16.28	17.43	17.92	16.90	13.63	ND	12.86	ND	NA	NA	NA	NA	13.48	12.35	ND	12.43	ND	ND	13.28	ND	12.02	12.70	NA	NA	NA	14.15	14.45	14.46	0.01			
3/30/06	NA	NA	ND	17.61	ND	16.53	16.64	17.53	18.04	17.03	14.28	ND	13.31	ND	NA	NA	NA	NA	13.65	12.49	ND	12.71	ND	ND	14.25	ND	12.88	13.55	NA	NA	NA	14.58	14.80	14.83	0.03			
6/8/06	NA	NA	ND	16.63	ND	NA	NA	16.55	17.09	15.94	NA	NA	NA	NA	NA	NA	NA	13.06	12.00	ND	11.75	ND	ND	13.62	ND	11.58	12.06	NA	NA	NA	13.68	13.04	13.07	0.03				
6/23/06	NA	NA	ND	17.15	ND	16.07	16.16	17.15	17.65	16.55	13.73	ND	12.83	ND	ND	12.22	ND	13.23	12.14	ND	12.36	ND	ND	13.85	ND	12.81	ND	14.11	13.51	13.60	0.09							
7/6/06	NA	NA	ND	17.14	ND	16.41	16.06	17.05	17.54	16.51	13.73	ND	12.79	ND	ND	12.57	ND	13.50	12.58	ND	12.11	ND	ND	14.12	ND	12.27	11.97	PUMP	IN WELL	13.80	13.58	13.72	0.14					
8/24/06	NA	NA	ND	17.49	ND	16.14	16.50	17.51	18.04	16.90	14.16	ND	13.14	ND	NA	NA	NA	NA	13.33	12.15	ND	12.52	ND	ND	13.93	ND	12.77	13.31	ND	13.15	ND	14.42	13.67	13.87	0.20			
9/29/06	NA	NA	ND	17.49	ND	16.25	15.91	17.05	17.55	16.66	13.82	ND	12.89	ND	NA	NA	NA	NA	13.34	12.09	ND	12.13	ND	ND	13.75	ND	12.31	12.80	ND	12.95	ND	14.19	13.48	13.62	0.14			
10/27/06	NA	NA	ND	17.50	ND	16.61	16.16	17.42	17.94	16.96	14.00	ND	13.18	ND	ND	12.66	ND	13.66	12.64	ND	12.47	ND	ND	14.26	ND	12.63	13.32	ND	13.23	ND	14.45	13.80	13.98	0.18				
11/20/06	NA	NA	ND	17.10	ND	15.92	15.98	17.13	17.66	16.36	13.60	ND	12.67	ND	NA	NA	NA	NA	13.06	11.73	ND	12.25	ND	ND	13.57	ND	12.07	12.43	ND	12.73	ND	14.09	13.35	13.53	0.14			
12/13/06	NA	NA	ND	17.24	ND	16.25	15.91	17.05	17.55	16.66	13.82	ND	12.89	ND	NA	NA	NA	NA	13.34	12.09	ND	12.13	ND	ND	13.75	ND	12.31	12.80	ND	12.95	ND	14.19	13.48	13.62	0.14			
3/20/08	8'4"	NA	ND	16.76	ND	15.26	15.50	16.54	17.13	15.80	13.17	ND	12.13	ND	ND	11.36	ND	12.46	11.41	NA	NA	NA	ND	13.13	ND	11.57	10.85	ND	12.12	ND	13.09	12.87	13.02	0.15				
4/28/08	NA	NA	ND	17.21	ND	16.29	16.02	17.08	17.65	16.61	13.85	ND	12.84	ND	ND	12.44	ND	13.43	12.43	ND	12.20	ND	ND	14.04	ND	12.42	12.94	ND	12.94	ND	14.19	13.65	14.01	0.36				
5/29/08	NA	NA	ND	17.36	ND	16.80	16.07	17.24	17.77	16.82	13.90	ND	12.78	ND	ND	12.66	ND	13.77	12.83	ND	12.45	ND	ND	14.42	ND	12.56	13.04	ND	13.11	ND	14.30	13.91	14.26	0.35				
6/20/08	NA	NA	ND	17.21	ND	15.89	15.84	17.28	17.86	16.80	13.62	ND	12.56	ND	ND	12.89**	ND	13.02	12.16	ND	12.16	ND	ND	13.80	ND	12.24	11.36	ND	12.90	ND	14.00	13.37	13.53	0.16				
7/25/08	NA	NA	ND	17.25	ND	16.07	15.45	17.14	17.73	16.53	13.67	ND	12.80	ND	ND	12.79	ND	13.22	12.06	ND	12.35	ND	ND	13.87	ND	12.36	11.73	ND	12.85	ND	14.20	13.68	13.95	0.27				
8/29/08	NA	NA	ND	17.23	ND	15.73	16.26	17.31	17.90	16.80	13.83	ND	12.77	ND	ND	11.96	ND	12.95	11.79	ND	12.23	ND	ND	13.62	ND	12.46	13.09	ND	12.78	ND	14.11	13.56	13.82	0.26				
9/19/08	NA	NA	ND	17.06	ND	15.70	16.00	17.07	17.63	16.30	13.49	ND	12.52	ND	ND	12.50	ND	12.81	11.50	ND	12.18	ND	ND	13.37	ND	12.14	12.58	ND	12.59	ND	13.95	13.27	13.47	0.20				
10/30/08	NA	NA	ND	17.10	ND	16.01	15.89	17.08	17.66	16.38	13.75	ND	12.70	ND	ND	12.10	ND	13.15	11.90	ND	12.43	ND	ND	13.74	ND	12.31	10.07	ND	12.66	ND	14.04	13.47	13.65	0.18				
11/24/08	NA	NA	ND	17.44	ND	16.23	16.28	17.30	17.90	16.75	14.09	ND	13.18	ND	ND	12.34	ND	13.38	12.27	ND	12.70	ND	ND	14.10	ND	12.82	13.29	ND	13.08	ND	14.37	13.87	14.02					

Table 3
Well Monitoring
Historical Monitoring Data

- Wells PI-1 through PI-4 not gauged 3/31/04 to present.

For Historical data on these wells, refer to Q4 2005 report or earlier.

* In January 2010 Wells PI-28 and PI-30 were damaged, replaced by others and are now referred to as PI-28R and PI-30R, respectively.

* In April 2012 an 8" recovery well was installed and was labeled as RWELL.

Key:

DTP = Depth to Product

DTW = Depth to Water

DW = Depth to Water
PT = Product thickness

NA = Not Applicable/N

ND = Non Detect

**NB = Not Bete
A = Abandoned**

Table 3a
Monthly Monitoring of Additional Wells (beginning September 2010)
Plum Island Animal Disease Center

Date	MW-100			MW-101			MW-103			MW-104			MW-105			MW-106			MW-108			MW-109			PI-12 (old)			PI-12 (new)			PI-33			PI-34			PI-35			PI-36			PI-19			PI-11			PI-07			PI-22			PI-10			PI-09			PI-23			
	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT	DTP	DTW	PT													
9/20/10	NA	NA	NA	ND	17.71	ND	16.42	16.90	0.48	ND	17.03	ND	16.59	16.87	0.28	16.65	16.93	0.28	ND	13.70	ND	ND	16.37	ND	13.35	13.36	0.01	13.39	13.47	0.08	ND	12.67	ND	12.24	12.40	0.16	12.23	12.25	0.02	ND	12.18	ND	ND	13.73	ND	12.78	13.22	0.44	12.34	12.95	0.61	ND	12.06	ND	ND	12.89	ND	12.21	12.23	0.02	ND	11.20	ND	
10/19/10	ND	13.59	ND	17.69	17.74	0.05	16.40	16.78	0.38	ND	17.05	ND	16.59	16.69	0.10	16.62	16.88	0.26	ND	13.51	ND	ND	16.38	ND	13.54	13.55	0.01	13.58	13.66	0.08	ND	12.56	ND	12.30	12.51	0.21	12.37	12.79	0.42	ND	12.14	ND	ND	13.61	ND	12.91	13.07	0.16	ND	12.55	Trace	ND	12.06	ND	ND	12.83	ND	ND	12.22	ND	ND	11.24	ND	
11/15/10	ND	13.28	ND	17.62	17.70	0.08	16.26	16.61	0.35	ND	16.77	ND	16.32	16.43	0.11	16.46	16.64	0.18	ND	13.33	ND	ND	16.38	ND	ND	13.52	Trace	13.58	13.61	0.03	ND	12.28	ND	ND	12.24	Trace	12.51	12.55	0.04	ND	11.90	ND	ND	13.39	ND	13.00	13.20	0.20	ND	12.68	12.71	0.03	ND	11.99	ND	ND	12.90	ND	12.42	12.43	0.01	ND	11.35	ND
12/14/10	ND	13.58	ND	17.89	17.96	0.07	16.28	16.89	0.61	ND	17.07	ND	16.49	16.64	0.15	16.57	16.78	0.21	ND	13.67	ND	ND	16.86	ND	ND	13.73	ND	13.75	13.80	0.05	ND	12.49	ND	12.23	12.25	0.02	12.74	12.75	0.01	ND	12.07	ND	ND	13.80	ND	13.24	12.80	0.01	ND	12.81	0.01	ND	11.82	ND										
1/18/11	B	B	B	ND	17.78	ND	16.57	16.84	0.18	ND	17.14	ND	16.75	16.84	0.09	16.77	17.04	0.27	B	B	B	ND	16.39	ND	13.40	13.47	0.07	13.40	13.47	0.07	12.65	12.68	0.03	ND	12.39	ND	ND	12.42	ND	ND	12.35	ND	ND	13.77	ND	12.81	13.44	0.63	12.45	12.73	0.28	ND	12.15	ND	ND	12.78	ND	ND	12.08	ND	ND	11.03	ND	
2/23/11	ND	14.03	ND	18.10	18.36	0.26	16.82	17.31	0.49	ND	17.34	ND	16.86	17.21	0.35	16.98	17.69	0.71	ND	13.59	ND	ND	17.37	ND	13.84	13.86	0.02	13.75	14.65	0.89	13.08	13.14	0.06	12.66	12.84	0.18	12.87	13.17	0.30	ND	12.72	ND	ND	14.20	ND	13.40	14.05	0.65	13.11	13.21	0.10	ND	12.78	ND	ND	13.89	ND	13.20	13.38	0.18	ND	12.30	ND	
3/16/11	B	B	B	17.77	17.96	0.19	16.52	16.99	0.47	ND	17.14	ND	16.65	16.85	0.20	16.74	17.00	0.26	ND	13.33	ND	ND	16.48	ND	13.67	14.01	0.34	13.71	14.00	0.29	12.69	12.71	0.27	12.64	13.07	0.43	ND	12.15	ND	ND	13.58	13.59	0.01	13.15	13.51	0.36	12.93	12.97	0.04	ND	12.20	ND	ND	12.89	ND	12.50	12.89	0.49	ND	11.41	ND			
4/21/11	ND	13.79	ND	17.93	18.06	0.13	16.62	17.21	0.59	ND	17.33	ND	16.77	17.01	0.24	16.81	17.44	0.63	ND	13.38	ND	ND	17.23	ND	13.64	13.84	0.20	13.66	13.91	0.25	12.79	12.80	0.01	12.44	12.59	0.15	12.74	12.78	0.04	ND	12.59	ND	ND	14.09	ND	13.30	13.63	0.33	12.99	13.13	0.14	ND	12.70	ND	ND	13.59	ND	12.98	13.09	0.11	ND	12.14	ND	
5/17/11	B	B	B	ND	17.39	ND	ND	16.14	ND	ND	17.09	ND	16.27	16.38	0.11	16.39	16.40	0.01	ND	13.09	ND	ND	16.41	ND	13.04	13.22	0.18	13.03	13.15	0.12	ND	12.19	ND	ND	11.94	Trace	11.89	11.92	0.03	ND	12.06	ND	ND	13.52	ND	12.50	12.51	0.01	12.19	12.20	0.01	ND	12.11	ND	ND	12.68	ND	11.98	12.10	0.12	ND	11.10	ND	
6/13/11	ND	13.26	ND	17.34	17.36	0.02	15.95	16.00	0.05	ND	16.90	ND	16.20	16.53	0.33	16.21	16.51	0.30	ND	13.19	ND	ND	16.08	ND	13.19	ND	13.27	13.28	0.01	12.11	12.13	0.02	ND	11.86	Trace	12.07	12.11	0.04	ND	11.81	ND	ND	13.28	13.30	0.02	12.56	12.65	0.09	12.26	12.27	0.01	ND	11.83	ND	ND	12.50	ND	11.88	12.09	0.21	ND	10.92	ND	
7/15/11	ND	13.06	ND	17.29	17.60	0.31	16.10	16.11	0.01	16.85	17.52	0.67	16.18	16.58	0.40	16.35	16.45	0.10	ND	13.00	ND	ND	16.43	ND	12.85	13.49	0.66	ND	13.00																																			

Table 4
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
January 15, 2005

SVOC Parameter	NYSDEC TOGS 1.1.1	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	5	ND	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	51.00	ND	ND	ND	ND	17.00	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	1.40	ND	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	5.00	ND	ND	ND	ND
Phenanthrenene	50	ND	ND	ND	ND	ND	2.50	3.50	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NL	ND	ND	ND	ND	ND	1.50	2.50	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4 Dimethylphenol	2 (total phenols)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	10	50.00	ND	ND	ND	ND	3.80	12.00	ND	ND	ND	ND

Key:

ND - Non Detect

NL - Not Listed

All units are in parts per billion (ppb)

Table 4 (continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
June 16, 2005

SVOC Parameter	NYSDEC TOGS 1.1.1	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	5	ND	1.70	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	39.00	ND	ND	ND	ND	23.00	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	1.40	ND	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	5.00	ND	ND	ND	ND
Phenanthrenene	50	ND	ND	ND	ND	ND	2.50	3.50	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4 Dimethylphenol	2 (total phenols)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	10	36.00	ND	ND	ND	ND	ND	16.00	ND	ND	ND	ND

Key:

ND - Non Detect

NL - Not Listed

All units are in parts per billion (ppb)

Table 4 (continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
September 15, 2005

SVOC Parameter	NYSDEC TOGS 1.1.1	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	16.00	ND									
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrenene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4 Dimethylphenol	2 (total phenols)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	10	21.00	ND									

Key:

ND - Non Detect

NL - Not Listed

All units are in parts per billion (ppb)

Table 4 (continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
December 14, 2005

SVOC Parameter	NYSDEC TOGS 1.1.1	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	33.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	NL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4 Dimethylphenol	2 (total phenols)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	10	ND	ND	ND	ND	ND	57.00	ND	ND	ND	ND	ND

Key:

ND - Non Detect

NL - Not Listed

All units are in parts per billion (ppb)

Table 4 (continued)
Historical Groundwater Analytical Results
Plum Island Animal Disease Center
February 14, 2006

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	ND	ND	ND	ND	12.00	ND	ND	ND	ND
Naphthalene (sv)	10	25.00	ND	ND	ND	ND	ND	ND	81.00	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perlylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	12.00	ND	ND	ND	ND	20.00	ND	68.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	14.00	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

Table 4 (continued)
Historical Groundwater Analytical Results
Plum Island Animal Disease Center
June 8, 2006

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	62.00	ND	ND	ND	ND	ND	ND	31.00	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perlylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	41.00	ND	ND	ND	ND	ND	ND	26.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

Table 4 (continued)
Historical Groundwater Analytical Results
Plum Island Animal Disease Center
September 29, 2006

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	59.00	ND	ND	ND	ND	ND	ND	43.00	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	57.00	ND	ND	ND	ND	ND	ND	46.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

Table 4 (Continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
December 13, 2006

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	82.00	ND	ND	ND	ND	ND	ND	31.00	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	91.00	ND	ND	ND	ND	ND	ND	43.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

Table 4 (Continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
June 20, 2008

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	39.00	ND	ND	ND	ND	ND	ND	20.00	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	17.00	ND	ND	ND	ND	ND	ND	18.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

Table 4 (Continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
August 29, 2008

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	18.00	ND	ND	ND	ND	ND	ND	15.00	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	11.00	ND	ND	ND	ND	ND	ND	15.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

Table 4 (Continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
December 29, 2008

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	60.00	ND	ND	ND	ND	ND	ND	66.00	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	36.00	ND	ND	ND	ND	ND	ND	64.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

Table 4 (Continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
March 23, 2009

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	ND	ND	ND	ND	ND	15.00	ND	ND	ND
Naphthalene (sv)	10	31.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	ND	ND	ND	0.44	ND	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	3.00	ND	ND	ND	ND	0.90	ND	6.00	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	0.08	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	26.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

Table 4 (continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
June 8, 2009

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15*	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	49.00	ND	NA	ND	ND	ND	ND	29.00	ND	ND	ND
Acenaphthylene	20	0.40	ND	NA	ND	ND	0.28	ND	0.48	ND	ND	ND
Flourene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	3.60	ND	NA	0.20	ND	0.067	ND	3.60	ND	ND	ND
Anthracene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perlylene	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	45.00	ND	NA	ND	ND	ND	ND	39.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

* PI-15 was not sampled this quarter due to construction zone work.

Samples analyzed by Phoenix Environmental Laboratories, Manchester, Ct.

Table 4 (continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
August 27, 2009

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15*	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	68.00	ND	NA	ND	ND	ND	ND	31.00	ND	ND	ND
Acenaphthylene	20	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Flourene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perlylene	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	48.00	ND	NA	ND	ND	ND	ND	34.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

* PI-15 was not sampled this quarter due to construction zone work.

Samples analyzed by Phoenix Environmental Laboratories, Manchester, Ct.

Table 4 (continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
Sampling Date: December 4, 2009

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15*	PI-18	PI-26	PI-27	PI-28	PI-29	PI-30	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	41.00	ND	NA	ND	ND	ND	ND	22.00	ND	ND	ND
Acenaphthylene	20	0.31	ND	NA	ND	ND	ND	ND	0.31	ND	ND	ND
Flourene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	2.70	ND	NA	0.16	ND	ND	ND	4.10	ND	ND	ND
Anthracene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	31.00	ND	NA	ND	ND	ND	ND	23.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

* PI-15 was not sampled this quarter due to construction zone work.

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TAGM - Technical and Guidance Memorandum - Ambient Water Quality Standards for Drinking Water

NYSDEC - New York State Department of Environmental Conservation

SVOC - Semi-Volatile Organic Compound

All data are in parts per billion (ppb)

Samples analyzed by Phoenix Environmental Laboratories, Manchester, CT.

Table 4 (continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
Sampling Date: March 11, 2010

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15*	PI-18	PI-26	PI-27	PI-28R	PI-29	PI-30R	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	38.00	ND	NA	ND	ND	ND	ND	48.00	ND	ND	ND
Acenaphthylene	20	0.40	ND	NA	ND	ND	ND	ND	0.59	ND	ND	ND
Flourene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	3.10	ND	NA	0.15	ND	0.12	0.27	4.40	0.23	ND	ND
Anthracene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phalate	50	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	27.00	ND	NA	ND	ND	ND	ND	54.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

* PI-15 was not sampled this quarter due to construction zone work.

Page 16

TAGM - Technical and Guidance Memorandum - Ambient Water Quality Standards for Drinking Water

NYSDEC - New York State Department of Environmental Conservation

SVOC - Semi-Volatile Organic Compound

All data are in parts per billion (ppb)

Samples analyzed by Phoenix Environmental Laboratories, Manchester, CT.

Table 4 (continued)
Historical Groundwater Analytical Data
Plum Island Animal Disease Center
Sampling Date: June 25, 2010

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15*	PI-18	PI-26	PI-27	PI-28R	PI-29	PI-30R	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	60.00	ND	ND	ND	ND	ND	ND	42.00	ND	ND	ND
Acenaphthylene	20	0.46	ND	ND	ND	ND	0.40	ND	0.49	ND	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	5.60	ND	ND	ND
Phenanthrene	50	1.70	ND	ND	0.099	ND	0.47	0.67	4.00	ND	ND	ND
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perlylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	5.30	ND	ND	ND
2-Methylnaphthalene	50	51.00	ND	ND	ND	ND	ND	ND	47.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

* PI-15 was not sampled this quarter due to construction zone work.

Page 17

TAGM - Technical and Guidance Memorandum - Ambient Water Quality Standards for Drinking Water

NYSDEC - New York State Department of Environmental Conservation

SVOC - Semi-Volatile Organic Compound

All data are in parts per billion (ppb)

Samples analyzed by Phoenix Environmental Laboratories, Manchester, CT.

Table 4 (Continued)
Annual Groundwater Sampling Analytical Results

Plum Island Animal Disease Center

Sampling Date: July 20, 2011

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28R	PI-29	PI-30R	PI-32	PI-38
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl) phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene (sv)	10	54.00	ND	ND	ND	ND	6.50	24.00	ND	ND	ND	ND
Acenaphthylene	20	0.53	ND	ND	0.14	ND	0.63	0.26	0.59	0.05	ND	ND
Flourene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	2.30	ND	ND	0.330	ND	0.79	0.67	4.70	0.09	ND	0.06
Anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	2.60	ND	ND	ND	ND
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h) anthracene	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi) perylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	24.00	ND	ND	ND	ND	ND	9.10	27.00	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

Annual Groundwater Sampling Analytical Results

Plum Island Animal Disease Center

Sampling Date: June 11 & 12, 2012

SVOC	NYSDEC TAGM 4046	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28R	PI-29	PI-30R	PI-32	PI-38	PI-8	PI-24	PI-21	PI-37	PI-13	PI-20	
Di-n-butyl Phthalate	50	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bis(2-Ethylhexyl) phthalate	50	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Naphthalene (sv)	10	22.00	ND	ND	ND	ND	ND	NA	25.00	ND	ND	ND	42.00	27.00	52.00	60.00	1.10		
Acenaphthylene	20	0.50	ND	ND	0.12	ND	0.28	NA	0.48	0.05	ND	ND	ND	0.49	0.19	0.57	0.48	0.09	
Flourine	50	ND	ND	ND	ND	ND	ND	NA	5.30	ND	ND	ND	ND	ND	ND	6.60	6.50	ND	
Phenanthrene	50	3.10	ND	ND	0.130	ND	0.52	NA	3.60	0.12	ND	ND	ND	3.00	0.91	5.00	8.60	0.15	
Anthracene	50	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Flouranthene	50	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pyrene	50	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a) anthracene	0.002	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chrysene	0.002	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(b) flouranthene	0.002	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(k) flouranthene	0.002	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a) pyrene	0.002	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibenz(a,h) anthracene	50	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibenzo furan	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd) pyrene	0.002	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(ghi) perlylene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Diethyl Phthalate	50	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	50	21.00	ND	ND	ND	ND	ND	NA	34.00	ND	ND	ND	ND	ND	31.00	25.00	120.00	59.00	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Table 5

VOC	NYSDEC TOGS 1.1.1	PI-6	PI-14	PI-15	PI-18	PI-26	PI-27	PI-28R	PI-29	PI-30R	PI-32	PI-38	PI-8	PI-24	PI-21	PI-37	PI-13	PI-20
1,2,4-Trimethylbenzene	5	2.30	ND	ND	3.40	ND	ND	NA	1.10	ND	ND	ND	ND	21	52	39	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	11	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	5.1	ND	ND	ND	ND
Isopropylbenzene	5	7.00	ND	ND	ND	ND	ND	NA	5.40	ND	ND	ND	ND	4.8	5.5	14	6.00	ND
m&p-Xylene	5	ND	1.20	ND	ND	ND	ND	NA	2.30	ND	ND	ND	ND	7.40	ND	ND	ND	ND
MTBE	10	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	NA	2.20	ND	ND	ND	ND	ND	ND	4.7	ND	ND
n-Propylbenzene	5	6.70	ND	ND	ND	ND	ND	NA	4.90	ND	ND	ND	ND	5.4	7.1	15	5.70	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	4.2	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND
sec-Butylbenzene	5	7.60	ND	ND	ND	ND	ND	NA	6.20	ND	ND	ND	ND	3.4	2.9	12	3.50	1.6
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	5	ND	1.20	ND	ND	ND	ND	NA	2.30	ND	ND	ND	ND	11.6	ND	ND	ND	ND

^^ Unable to separate isomers

ND - Non Detect

NA - Not Applicable/Not Sampled

TAGM - Technical and Guidance Memorandum - TOGS - Technical & Operation Guidance - Ambient Water Quality Standards for Drinking Water - Clean Up Objective

NYSDEC - New York State Department of Environmental Conservation

SVOC - Semi-Volatile Organic Compound

All data are in parts per billion (ppb)

Samples analyzed by Phoenix Environmental Laboratories, Manchester, CT.

Table 6
LNAPL and Groundwater Recovery Summary April through June 2012
Plum Island Animal Disease Center

Date	Volume Recovered (Per Visit)		Volume Recovered (April - June 2012)		Volume Recovered (Cumulative To Date)*		Decanted**
	LNAPL	Water	LNAPL	Water	LNAPL	Water	
4/10/2012	42	127	42	127	6,067	38,430	140
4/26/2012	7	291	49	418	6,074	38,721	280
5/11/2012	9	56	58	474	6,083	38,777	0
5/24/2012	12	66	70	540	6,095	38,843	140
6/7/2012	8	133	78	673	6,103	38,976	130
6/19/2012	3	26	81	699	6,106	39,002	0

* Historical data carried over from previous year(s).

** Water from holding tank pumped through carbon vessels and injected to subsurface

* Please Note: Product Recovered in Spill Buster and Skimmer Recovery Drums Is Not Recorded Until Added to Recovery Tank

All data are in gallons

LNAPL - Light Non-Aqueous Phase Liquid

Product volume is from measuring product thickness at recovery tank

FIGURES

REV#	REVISION	BY	DATE
1	WELL ADDITIONS AND LNAPL PRESENCE	DE	09/21/10



MILLER
ENVIRONMENTAL
GROUP

538 Edwards Avenue
Calverton, NY 11933

WELLS EXHIBITING LNAPL
DURING MONTHLY MONITORING
EVENT ON 6/25/2012

LEGEND	
◆ MONITORING WELL	
◆ MONITORING WELL CONTAINING LNAPL	
○ HYDRANT	
○ MANHOLE	
○ UTILITY POLE	
ND NON-DETECT	
NA NOT APPLICABLE	
— EXISTING STRUCTURE	
— CHAIN LINK FENCE	

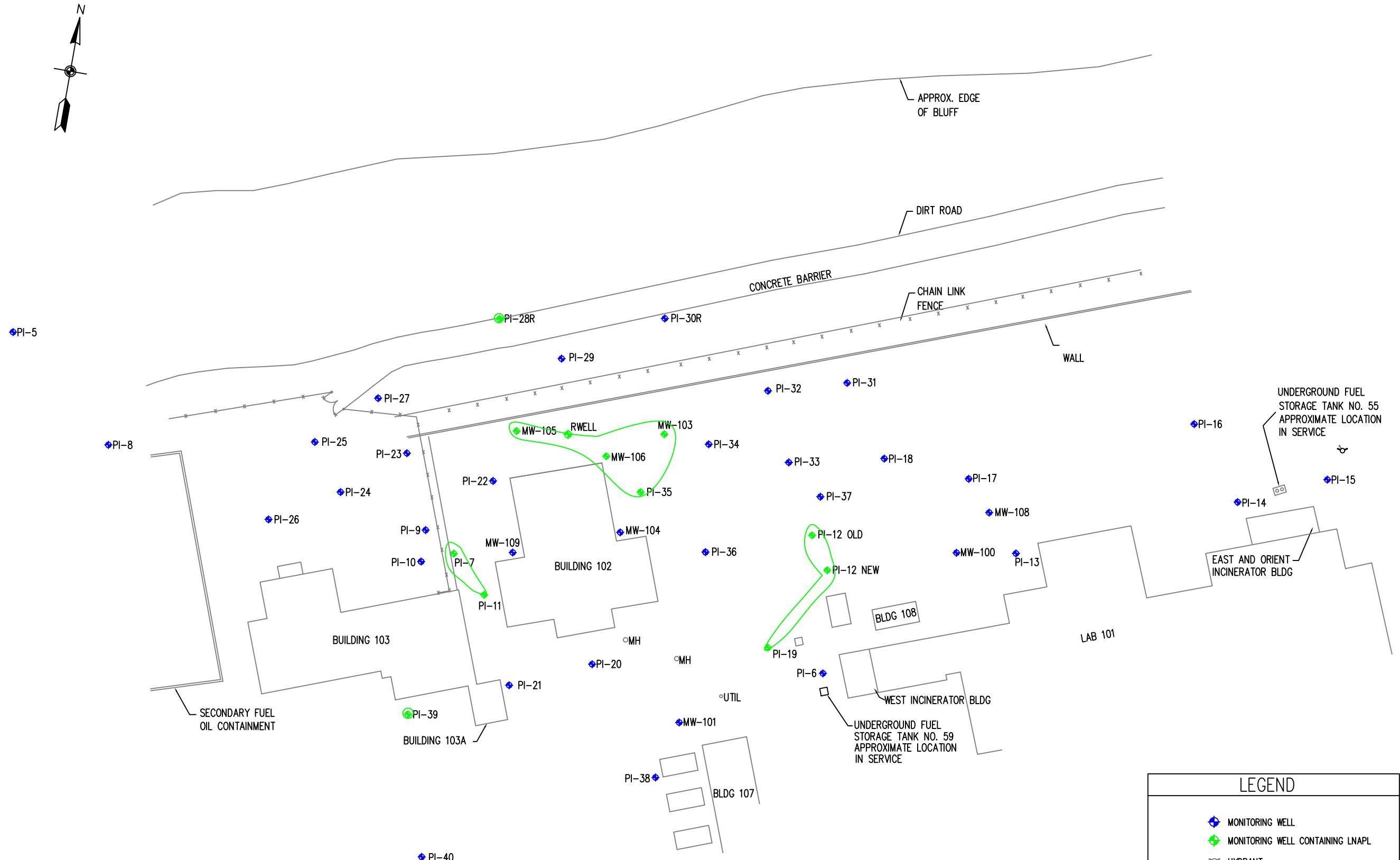


Figure 2
LNAPL and Groundwater Volume Recovered Per Visit
April - June 2012
Plum Island Animal Disease Center

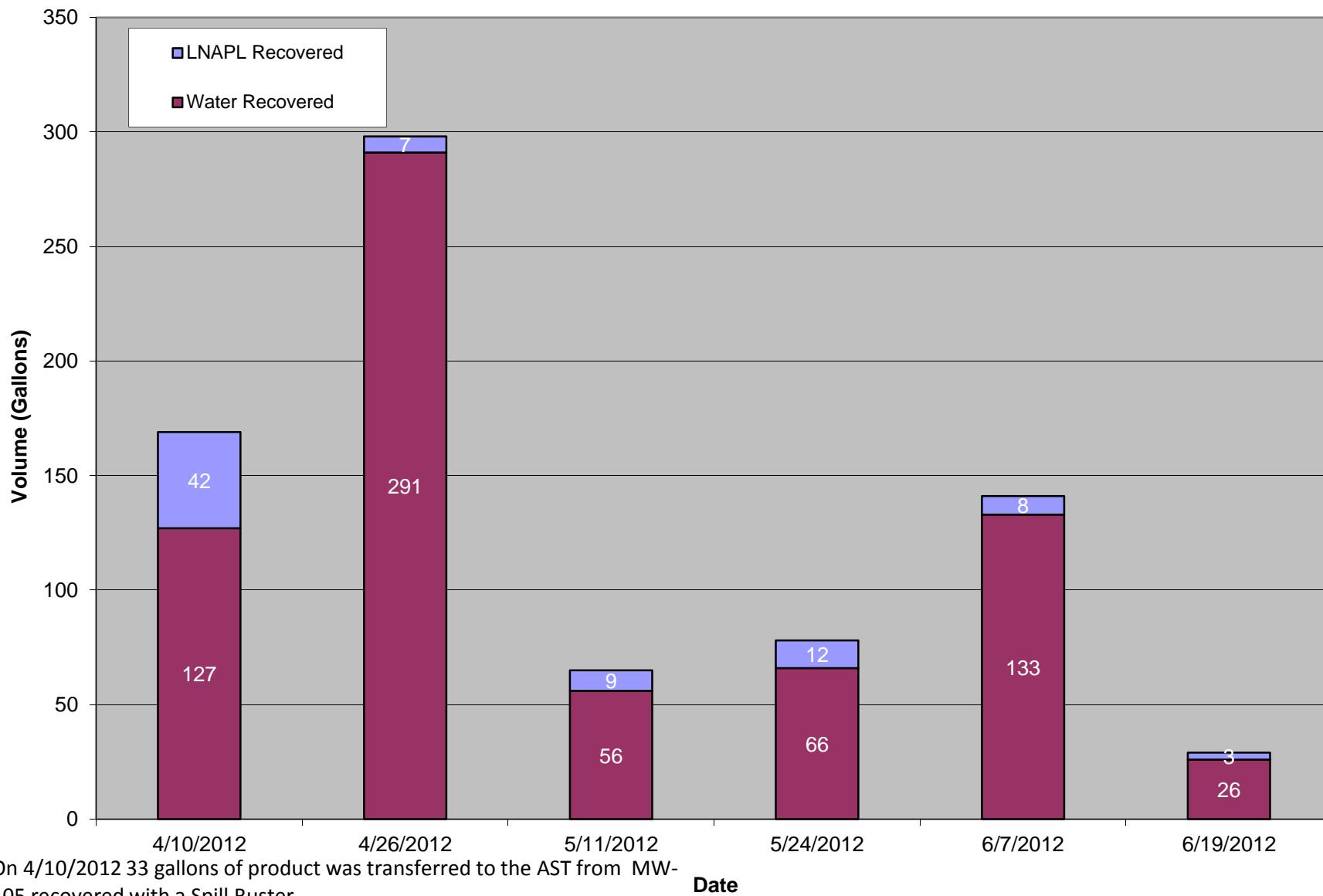
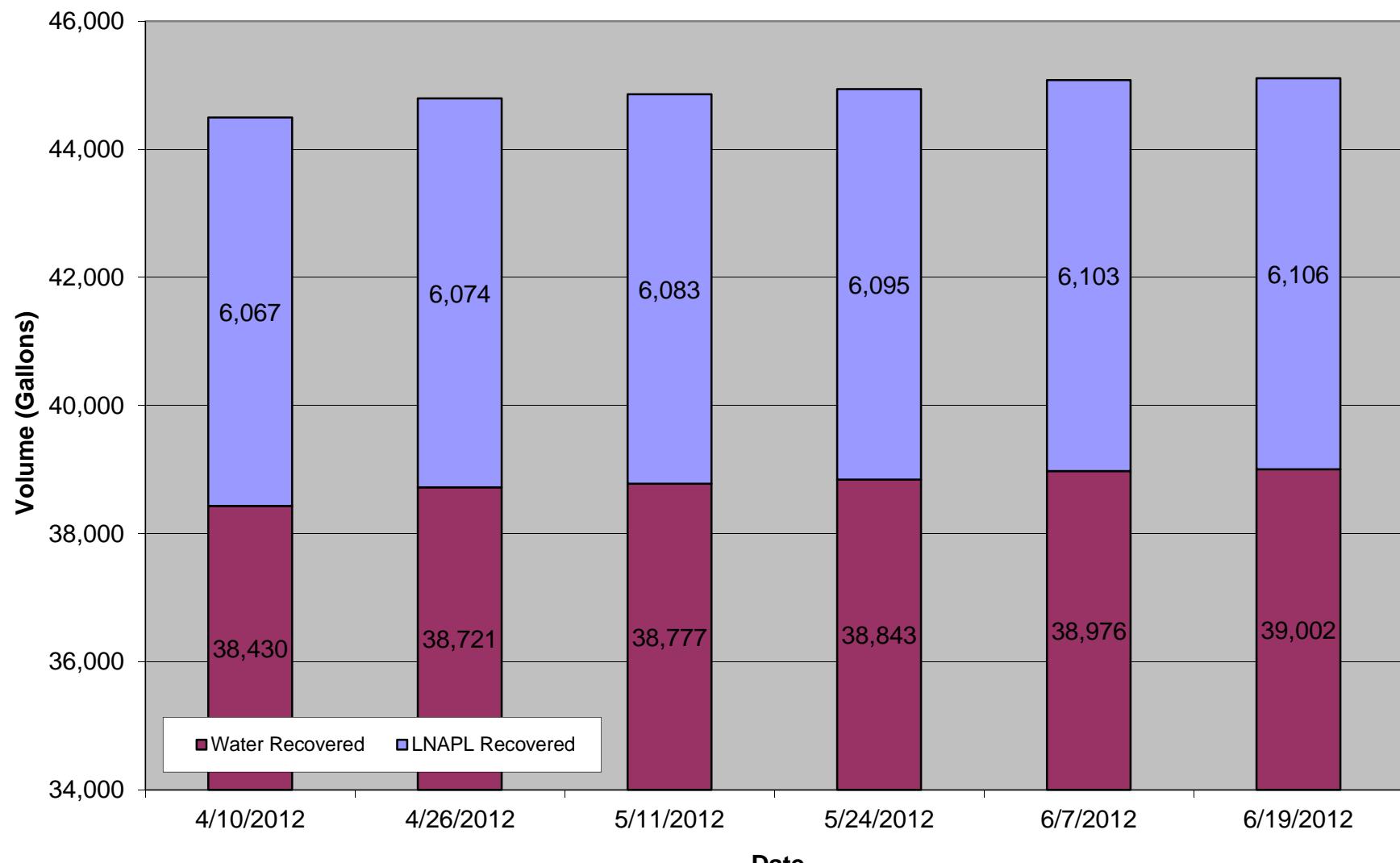


Figure 3
Cumulative LNAPL and Groundwater Recovery
April - June 2012
Plum Island Animal Disease Center



LNAPL - Light Non-Aqueous Phase Liquid

APPENDIX A

Laboratory Analytical Results



Tuesday, June 19, 2012

Attn: Mr. Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Project ID: USDHS PLUM ISLAND
Sample ID#s: BB97028 - BB97035

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 19, 2012

FOR: Attn: Mr. Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
Location Code: MILLERCA
Rush Request: Standard
P.O.#: M110489

Custody Information

Collected by: TC
Received by: LB
Analyzed by: see "By" below

Date

Time

06/11/12

0:00

06/12/12

18:32

Laboratory Data

SDG ID: GBB97028

Phoenix ID: BB97028

Project ID: USDHS PLUM ISLAND

Client ID: PI 15

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/13/12		F/K	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/13/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Acetone	ND	25	ug/L	06/13/12		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/13/12		R/T	SW8260
Benzene	ND	0.70	ug/L	06/13/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromochloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Bromodichloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/13/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/13/12		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Naphthalene	ND	1.0	ug/L	06/13/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/13/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/13/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/13/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	06/13/12		R/T	70 - 130 %
% Bromofluorobenzene	95		%	06/13/12		R/T	70 - 130 %
% Dibromofluoromethane	97		%	06/13/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	98		%	06/13/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/15/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/15/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/15/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/15/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/15/12		DD	SW8270
Aniline	ND	10	ug/L	06/15/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/15/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
Benzidine	ND	50	ug/L	06/15/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/15/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/15/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/15/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/15/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
Phenol	ND	10	ug/L	06/15/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/15/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	127		%	06/15/12		DD	15 - 130 %
% 2-Fluorobiphenyl	71		%	06/15/12		DD	15 - 130 %
% 2-Fluorophenol	70		%	06/15/12		DD	15 - 130 %
% Nitrobenzene-d5	72		%	06/15/12		DD	15 - 130 %
% Phenol-d5	68		%	06/15/12		DD	15 - 130 %
% Terphenyl-d14	96		%	06/15/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthylene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/14/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/14/12		DD	SW8270 (SIM)
Phenanthrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/14/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	127		%	06/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	71		%	06/14/12		DD	15 - 130 %
% 2-Fluorophenol	70		%	06/14/12		DD	15 - 130 %
% Nitrobenzene-d5	72		%	06/14/12		DD	15 - 130 %
% Phenol-d5	68		%	06/14/12		DD	15 - 130 %
% Terphenyl-d14	96		%	06/14/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

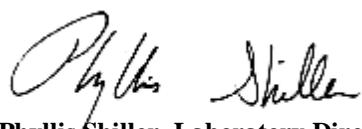
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 19, 2012

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 19, 2012

FOR: Attn: Mr. Dave Reardon
 Miller Environmental Group, Inc.
 538 Edwards Avenue
 Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
 Location Code: MILLERCA
 Rush Request: Standard
 P.O.#: M110489

Custody Information

Collected by: TC
 Received by: LB
 Analyzed by: see "By" below

Date

06/11/12 0:00
 06/12/12 18:32

Time

SDG ID: GBB97028

Phoenix ID: BB97029

Laboratory Data

Project ID: USDHS PLUM ISLAND

Client ID: PI 14

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/13/12		F/K	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/13/12		H/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/13/12		H/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/13/12		H/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/13/12		H/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/13/12		H/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/13/12		H/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/13/12		H/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/13/12		H/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/13/12		H/T	SW8260
Acetone	ND	250	ug/L	06/13/12		H/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/13/12		H/T	SW8260
Benzene	ND	0.70	ug/L	06/13/12		H/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/13/12		H/T	SW8260
Bromoform	ND	1.0	ug/L	06/13/12		H/T	SW8260
Bromomethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/13/12		H/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/13/12		H/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
Chloroethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
Chloroform	ND	1.0	ug/L	06/13/12		H/T	SW8260
Chloromethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		H/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		H/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/13/12		H/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/13/12		H/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
m&p-Xylene	1.2	1.0	ug/L	06/13/12		H/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/13/12		H/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/13/12		H/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/13/12		H/T	SW8260
Naphthalene	ND	1.0	ug/L	06/13/12		H/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
o-Xylene	ND	1.0	ug/L	06/13/12		H/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/13/12		H/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
Styrene	ND	1.0	ug/L	06/13/12		H/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/13/12		H/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/13/12		H/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/13/12		H/T	SW8260
Toluene	ND	1.0	ug/L	06/13/12		H/T	SW8260
Total Xylenes	1.2	1.0	ug/L	06/13/12		H/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		H/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		H/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/13/12		H/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/13/12		H/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/13/12		H/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/13/12		H/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	06/13/12		H/T	70 - 130 %
% Bromofluorobenzene	95		%	06/13/12		H/T	70 - 130 %
% Dibromofluoromethane	98		%	06/13/12		H/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	95		%	06/13/12		H/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/15/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/15/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/15/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/15/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/15/12		DD	SW8270
Aniline	ND	10	ug/L	06/15/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/15/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
Benzidine	ND	50	ug/L	06/15/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/15/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/15/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/15/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/15/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
Phenol	ND	10	ug/L	06/15/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/15/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	122		%	06/15/12		DD	15 - 130 %
% 2-Fluorobiphenyl	72		%	06/15/12		DD	15 - 130 %
% 2-Fluorophenol	68		%	06/15/12		DD	15 - 130 %
% Nitrobenzene-d5	72		%	06/15/12		DD	15 - 130 %
% Phenol-d5	69		%	06/15/12		DD	15 - 130 %
% Terphenyl-d14	99		%	06/15/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthylene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/14/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/14/12		DD	SW8270 (SIM)
Phenanthrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/14/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	122		%	06/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	72		%	06/14/12		DD	15 - 130 %
% 2-Fluorophenol	68		%	06/14/12		DD	15 - 130 %
% Nitrobenzene-d5	72		%	06/14/12		DD	15 - 130 %
% Phenol-d5	69		%	06/14/12		DD	15 - 130 %
% Terphenyl-d14	99		%	06/14/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

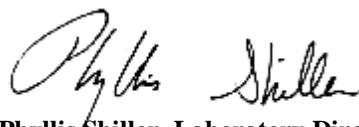
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 19, 2012

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 19, 2012

FOR: Attn: Mr. Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
Location Code: MILLERCA
Rush Request: Standard
P.O.#: M110489

Custody Information

Collected by: TC
Received by: LB
Analyzed by: see "By" below

Date

06/11/12 0:00
06/12/12 18:32

Time

SDG ID: GBB97028

Phoenix ID: BB97030

Laboratory Data

Project ID: USDHS PLUM ISLAND

Client ID: PI 13

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/13/12		F/K	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,1,1-Trichloroethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	06/14/12		R/T	SW8260
1,1,2-Trichloroethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,1-Dichloroethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,1-Dichloroethene	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,1-Dichloropropene	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,2,3-Trichloropropane	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,2,4-Trimethylbenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,2-Dibromoethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,2-Dichlorobenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,2-Dichloroethane	ND	1.2	ug/L	06/14/12		R/T	SW8260
1,2-Dichloropropane	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,3-Dichlorobenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,3-Dichloropropane	ND	2.0	ug/L	06/14/12		R/T	SW8260
1,4-Dichlorobenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
2,2-Dichloropropane	ND	2.0	ug/L	06/14/12		R/T	SW8260
2-Chlorotoluene	ND	2.0	ug/L	06/14/12		R/T	SW8260
2-Hexanone	ND	10	ug/L	06/14/12		R/T	SW8260
2-Isopropyltoluene	ND	2.0	ug/L	06/14/12		R/T	SW8260
4-Chlorotoluene	ND	2.0	ug/L	06/14/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	10	ug/L	06/14/12		R/T	SW8260
Acetone	ND	50	ug/L	06/14/12		R/T	SW8260
Acrylonitrile	ND	10	ug/L	06/14/12		R/T	SW8260
Benzene	ND	1.4	ug/L	06/14/12		R/T	SW8260
Bromobenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
Bromochloromethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
Bromodichloromethane	ND	1.0	ug/L	06/14/12		R/T	SW8260
Bromoform	ND	2.0	ug/L	06/14/12		R/T	SW8260
Bromomethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
Carbon Disulfide	ND	10	ug/L	06/14/12		R/T	SW8260
Carbon tetrachloride	ND	2.0	ug/L	06/14/12		R/T	SW8260
Chlorobenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
Chloroethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
Chloroform	ND	2.0	ug/L	06/14/12		R/T	SW8260
Chloromethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	2.0	ug/L	06/14/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	1.0	ug/L	06/14/12		R/T	SW8260
Dibromochloromethane	ND	1.0	ug/L	06/14/12		R/T	SW8260
Dibromomethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
Dichlorodifluoromethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
Ethylbenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
Hexachlorobutadiene	ND	0.80	ug/L	06/14/12		R/T	SW8260
Isopropylbenzene	6.0	2.0	ug/L	06/14/12		R/T	SW8260
m&p-Xylene	ND	2.0	ug/L	06/14/12		R/T	SW8260
Methyl ethyl ketone	ND	10	ug/L	06/14/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	2.0	ug/L	06/14/12		R/T	SW8260
Methylene chloride	ND	2.0	ug/L	06/14/12		R/T	SW8260
Naphthalene	72	5.0	ug/L	06/14/12		R/T	SW8260
n-Butylbenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
n-Propylbenzene	5.7	2.0	ug/L	06/14/12		R/T	SW8260
o-Xylene	ND	2.0	ug/L	06/14/12		R/T	SW8260
p-Isopropyltoluene	ND	2.0	ug/L	06/14/12		R/T	SW8260
sec-Butylbenzene	3.5	2.0	ug/L	06/14/12		R/T	SW8260
Styrene	ND	2.0	ug/L	06/14/12		R/T	SW8260
tert-Butylbenzene	ND	2.0	ug/L	06/14/12		R/T	SW8260
Tetrachloroethene	ND	2.0	ug/L	06/14/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	10	ug/L	06/14/12		R/T	SW8260
Toluene	ND	2.0	ug/L	06/14/12		R/T	SW8260
Total Xylenes	ND	2.0	ug/L	06/14/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	2.0	ug/L	06/14/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	1.0	ug/L	06/14/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/L	06/14/12		R/T	SW8260
Trichloroethene	ND	2.0	ug/L	06/14/12		R/T	SW8260
Trichlorofluoromethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
Trichlorotrifluoroethane	ND	2.0	ug/L	06/14/12		R/T	SW8260
Vinyl chloride	ND	2.0	ug/L	06/14/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	06/14/12		R/T	70 - 130 %
% Bromofluorobenzene	95		%	06/14/12		R/T	70 - 130 %
% Dibromofluoromethane	96		%	06/14/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	98		%	06/14/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2-Methylnaphthalene	59	5.0	ug/L	06/15/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/15/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/15/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/15/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/15/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/15/12		DD	SW8270
Aniline	ND	10	ug/L	06/15/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/15/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
Benzidine	ND	50	ug/L	06/15/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/15/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Carbazole	15	5.0	ug/L	06/15/12		DD	SW8270
Dibenzofuran	5.5	5.0	ug/L	06/15/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluorene	6.5	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/15/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	60	5.0	ug/L	06/15/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
Phenol	ND	10	ug/L	06/15/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/15/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	124		%	06/15/12		DD	15 - 130 %
% 2-Fluorobiphenyl	70		%	06/15/12		DD	15 - 130 %
% 2-Fluorophenol	74		%	06/15/12		DD	15 - 130 %
% Nitrobenzene-d5	70		%	06/15/12		DD	15 - 130 %
% Phenol-d5	73		%	06/15/12		DD	15 - 130 %
% Terphenyl-d14	102		%	06/15/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthene	9.6	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthylene	0.48	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/14/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/14/12		DD	SW8270 (SIM)
Phenanthrene	8.6	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/14/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	124		%	06/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	70		%	06/14/12		DD	15 - 130 %
% 2-Fluorophenol	74		%	06/14/12		DD	15 - 130 %
% Nitrobenzene-d5	70		%	06/14/12		DD	15 - 130 %
% Phenol-d5	73		%	06/14/12		DD	15 - 130 %
% Terphenyl-d14	102		%	06/14/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1P = This parameter is pending certification by NY NELAC for this matrix.

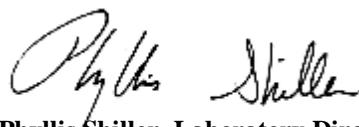
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 19, 2012

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 19, 2012

FOR: Attn: Mr. Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
Location Code: MILLERCA
Rush Request: Standard
P.O.#: M110489

Custody Information

Collected by: TC
Received by: LB
Analyzed by: see "By" below

Date

06/11/12 0:00
06/12/12 18:32

Time

SDG ID: GBB97028
Phoenix ID: BB97031

Project ID: USDHS PLUM ISLAND

Client ID: PI 18

Laboratory Data

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/13/12		F/K	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trimethylbenzene	3.4	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/13/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Acetone	ND	25	ug/L	06/13/12		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/13/12		R/T	SW8260
Benzene	ND	0.70	ug/L	06/13/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/13/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/13/12		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Naphthalene	ND	1.0	ug/L	06/13/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/13/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/13/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/13/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	06/13/12		R/T	70 - 130 %
% Bromofluorobenzene	97		%	06/13/12		R/T	70 - 130 %
% Dibromofluoromethane	96		%	06/13/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	99		%	06/13/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/15/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/15/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/15/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/15/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/15/12		DD	SW8270
Aniline	ND	10	ug/L	06/15/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/15/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
Benzidine	ND	50	ug/L	06/15/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/15/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/15/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/15/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/15/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
Phenol	ND	10	ug/L	06/15/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/15/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	125		%	06/15/12		DD	15 - 130 %
% 2-Fluorobiphenyl	72		%	06/15/12		DD	15 - 130 %
% 2-Fluorophenol	69		%	06/15/12		DD	15 - 130 %
% Nitrobenzene-d5	72		%	06/15/12		DD	15 - 130 %
% Phenol-d5	69		%	06/15/12		DD	15 - 130 %
% Terphenyl-d14	102		%	06/15/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthene	1.1	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthylene	0.12	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/14/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/14/12		DD	SW8270 (SIM)
Phenanthrene	0.13	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/14/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	125		%	06/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	72		%	06/14/12		DD	15 - 130 %
% 2-Fluorophenol	69		%	06/14/12		DD	15 - 130 %
% Nitrobenzene-d5	72		%	06/14/12		DD	15 - 130 %
% Phenol-d5	69		%	06/14/12		DD	15 - 130 %
% Terphenyl-d14	102		%	06/14/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 19, 2012

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 19, 2012

FOR: Attn: Mr. Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
Location Code: MILLERCA
Rush Request: Standard
P.O.#: M110489

Custody Information

Collected by: TC
Received by: LB
Analyzed by: see "By" below

Date

06/11/12 0:00
06/12/12 18:32

Time

SDG ID: GBB97028

Phoenix ID: BB97032

Laboratory Data

Project ID: USDHS PLUM ISLAND

Client ID: PI 32

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/13/12		F/K	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/13/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Acetone	ND	25	ug/L	06/13/12		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/13/12		R/T	SW8260
Benzene	ND	0.70	ug/L	06/13/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/13/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/13/12		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Naphthalene	ND	1.0	ug/L	06/13/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/13/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/13/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/13/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96		%	06/13/12		R/T	70 - 130 %
% Bromofluorobenzene	94		%	06/13/12		R/T	70 - 130 %
% Dibromofluoromethane	94		%	06/13/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	98		%	06/13/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/15/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/15/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/15/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/15/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/15/12		DD	SW8270
Aniline	ND	10	ug/L	06/15/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/15/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
Benzidine	ND	50	ug/L	06/15/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/15/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/15/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/15/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/15/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
Phenol	ND	10	ug/L	06/15/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/15/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	102		%	06/15/12		DD	15 - 130 %
% 2-Fluorobiphenyl	60		%	06/15/12		DD	15 - 130 %
% 2-Fluorophenol	64		%	06/15/12		DD	15 - 130 %
% Nitrobenzene-d5	63		%	06/15/12		DD	15 - 130 %
% Phenol-d5	64		%	06/15/12		DD	15 - 130 %
% Terphenyl-d14	95		%	06/15/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthylene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/14/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/14/12		DD	SW8270 (SIM)
Phenanthrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/14/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	102		%	06/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	60		%	06/14/12		DD	15 - 130 %
% 2-Fluorophenol	64		%	06/14/12		DD	15 - 130 %
% Nitrobenzene-d5	63		%	06/14/12		DD	15 - 130 %
% Phenol-d5	64		%	06/14/12		DD	15 - 130 %
% Terphenyl-d14	95		%	06/14/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

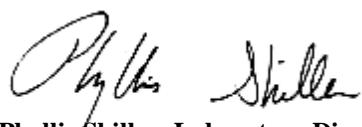
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 19, 2012

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 19, 2012

FOR: Attn: Mr. Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
Location Code: MILLERCA
Rush Request: Standard
P.O.#: M110489

Custody Information

Collected by: TC
Received by: LB
Analyzed by: see "By" below

Date

06/11/12 0:00
06/12/12 18:32

Time

SDG ID: GBB97028

Phoenix ID: BB97033

Laboratory Data

Project ID: USDHS PLUM ISLAND

Client ID: PI 38

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/13/12		F/K	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/13/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Acetone	ND	25	ug/L	06/13/12		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/13/12		R/T	SW8260
Benzene	ND	0.70	ug/L	06/13/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromochloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Bromodichloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/13/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/13/12		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Naphthalene	ND	1.0	ug/L	06/13/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/13/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/13/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/13/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	06/13/12		R/T	70 - 130 %
% Bromofluorobenzene	96		%	06/13/12		R/T	70 - 130 %
% Dibromofluoromethane	100		%	06/13/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	99		%	06/13/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/15/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/15/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/15/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/15/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/15/12		DD	SW8270
Aniline	ND	10	ug/L	06/15/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/15/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
Benzidine	ND	50	ug/L	06/15/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/15/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/15/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/15/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/15/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
Phenol	ND	10	ug/L	06/15/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/15/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	126		%	06/15/12		DD	15 - 130 %
% 2-Fluorobiphenyl	69		%	06/15/12		DD	15 - 130 %
% 2-Fluorophenol	61		%	06/15/12		DD	15 - 130 %
% Nitrobenzene-d5	70		%	06/15/12		DD	15 - 130 %
% Phenol-d5	60		%	06/15/12		DD	15 - 130 %
% Terphenyl-d14	100		%	06/15/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthylene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/14/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/14/12		DD	SW8270 (SIM)
Phenanthrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/14/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	126		%	06/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	69		%	06/14/12		DD	15 - 130 %
% 2-Fluorophenol	61		%	06/14/12		DD	15 - 130 %
% Nitrobenzene-d5	70		%	06/14/12		DD	15 - 130 %
% Phenol-d5	60		%	06/14/12		DD	15 - 130 %
% Terphenyl-d14	100		%	06/14/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

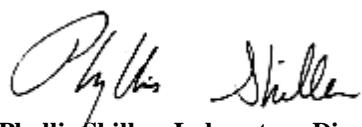
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 19, 2012

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 19, 2012

FOR: Attn: Mr. Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
Location Code: MILLERCA
Rush Request: Standard
P.O.#: M110489

Custody Information

Collected by: TC
Received by: LB
Analyzed by: see "By" below

Date

06/11/12 0:00
06/12/12 18:32

Time

SDG ID: GBB97028
Phoenix ID: BB97034

Project ID: USDHS PLUM ISLAND

Client ID: PI 20

Laboratory Data

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/13/12		F/K	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/13/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Acetone	ND	25	ug/L	06/13/12		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/13/12		R/T	SW8260
Benzene	ND	0.70	ug/L	06/13/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromochloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Bromodichloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/13/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/13/12		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Naphthalene	1.1	1.0	ug/L	06/13/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
sec-Butylbenzene	1.6	1.0	ug/L	06/13/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/13/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/13/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/13/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	06/13/12		R/T	70 - 130 %
% Bromofluorobenzene	97		%	06/13/12		R/T	70 - 130 %
% Dibromofluoromethane	97		%	06/13/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	99		%	06/13/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/15/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/15/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/15/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/15/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/15/12		DD	SW8270
Aniline	ND	10	ug/L	06/15/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/15/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
Benzidine	ND	50	ug/L	06/15/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/15/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/15/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/15/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/15/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
Phenol	ND	10	ug/L	06/15/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/15/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	127		%	06/15/12		DD	15 - 130 %
% 2-Fluorobiphenyl	76		%	06/15/12		DD	15 - 130 %
% 2-Fluorophenol	61		%	06/15/12		DD	15 - 130 %
% Nitrobenzene-d5	73		%	06/15/12		DD	15 - 130 %
% Phenol-d5	59		%	06/15/12		DD	15 - 130 %
% Terphenyl-d14	101		%	06/15/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthene	1.1	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthylene	0.09	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/14/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/14/12		DD	SW8270 (SIM)
Phenanthrene	0.15	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/14/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	127		%	06/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	76		%	06/14/12		DD	15 - 130 %
% 2-Fluorophenol	61		%	06/14/12		DD	15 - 130 %
% Nitrobenzene-d5	73		%	06/14/12		DD	15 - 130 %
% Phenol-d5	59		%	06/14/12		DD	15 - 130 %
% Terphenyl-d14	101		%	06/14/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

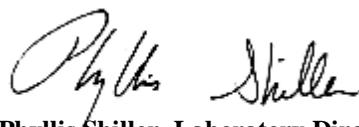
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 19, 2012

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 19, 2012

FOR: Attn: Mr. Dave Reardon
 Miller Environmental Group, Inc.
 538 Edwards Avenue
 Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
 Location Code: MILLERCA
 Rush Request: Standard
 P.O.#: M110489

Custody Information

Collected by: TC
 Received by: LB
 Analyzed by: see "By" below

Date

06/11/12 0:00
 06/12/12 18:32

Time

SDG ID: GBB97028

Phoenix ID: BB97035

Laboratory Data

Project ID: USDHS PLUM ISLAND

Client ID: PI 6

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/13/12		F/K	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2,4-Trimethylbenzene	2.3	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/13/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
2-Isopropyltoluene	2.5	1.0	ug/L	06/13/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Acetone	ND	25	ug/L	06/13/12		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/13/12		R/T	SW8260
Benzene	ND	0.70	ug/L	06/13/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromochloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Bromodichloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/13/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/13/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/13/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/13/12		R/T	SW8260
Isopropylbenzene	7.0	1.0	ug/L	06/13/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/13/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/13/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
Naphthalene	40	5.0	ug/L	06/13/12		R/T	SW8260
n-Butylbenzene	2.6	1.0	ug/L	06/13/12		R/T	SW8260
n-Propylbenzene	6.7	1.0	ug/L	06/13/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/13/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
sec-Butylbenzene	7.6	1.0	ug/L	06/13/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/13/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/13/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/13/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/13/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/13/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/13/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	105		%	06/13/12		R/T	70 - 130 %
% Bromofluorobenzene	96		%	06/13/12		R/T	70 - 130 %
% Dibromofluoromethane	99		%	06/13/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	99		%	06/13/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/15/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/15/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/15/12		DD	SW8270
2-Methylnaphthalene	21	5.0	ug/L	06/15/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/15/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/15/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/15/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/15/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/15/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/15/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/15/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/15/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/15/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/15/12		DD	SW8270
Aniline	ND	10	ug/L	06/15/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/15/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
Benzidine	ND	50	ug/L	06/15/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/15/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/15/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/15/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/15/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/15/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/15/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/15/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	22	5.0	ug/L	06/15/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/15/12		DD	SW8270
Phenol	ND	10	ug/L	06/15/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/15/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	118		%	06/15/12		DD	15 - 130 %
% 2-Fluorobiphenyl	54		%	06/15/12		DD	15 - 130 %
% 2-Fluorophenol	64		%	06/15/12		DD	15 - 130 %
% Nitrobenzene-d5	65		%	06/15/12		DD	15 - 130 %
% Phenol-d5	63		%	06/15/12		DD	15 - 130 %
% Terphenyl-d14	98		%	06/15/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthene	2.5	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Acenaphthylene	0.5	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/14/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/14/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/14/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/14/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/14/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/14/12		DD	SW8270 (SIM)
Phenanthrene	3.1	0.050	ug/L	06/14/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/14/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	118		%	06/14/12		DD	15 - 130 %
% 2-Fluorobiphenyl	54		%	06/14/12		DD	15 - 130 %
% 2-Fluorophenol	64		%	06/14/12		DD	15 - 130 %
% Nitrobenzene-d5	65		%	06/14/12		DD	15 - 130 %
% Phenol-d5	63		%	06/14/12		DD	15 - 130 %
% Terphenyl-d14	98		%	06/14/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

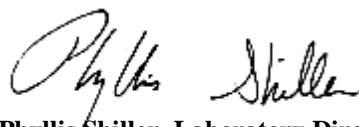
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 19, 2012

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

June 19, 2012

QA/QC Data

SDG I.D.: GBB97028

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 202629, QC Sample No: BB96712 (BB97028, BB97029, BB97030 (5X))									
<u>Volatiles - Ground Water</u>									
1,1,1,2-Tetrachloroethane	ND	128	118	8.1	125	122	2.4	70 - 130	30
1,1,1-Trichloroethane	ND	109	98	10.6	123	119	3.3	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	111	95	15.5	102	101	1.0	70 - 130	30
1,1,2-Trichloroethane	ND	120	104	14.3	107	107	0.0	70 - 130	30
1,1-Dichloroethane	ND	111	100	10.4	113	110	2.7	70 - 130	30
1,1-Dichloroethene	ND	104	97	7.0	122	119	2.5	70 - 130	30
1,1-Dichloropropene	ND	110	100	9.5	121	117	3.4	70 - 130	30
1,2,3-Trichlorobenzene	ND	115	106	8.1	104	104	0.0	70 - 130	30
1,2,3-Trichloropropane	ND	116	102	12.8	112	109	2.7	70 - 130	30
1,2,4-Trichlorobenzene	ND	117	105	10.8	106	105	0.9	70 - 130	30
1,2,4-Trimethylbenzene	ND	121	108	11.4	119	114	4.3	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	116	101	13.8	97	98	1.0	70 - 130	30
1,2-Dibromoethane	ND	117	105	10.8	106	114	7.3	70 - 130	30
1,2-Dichlorobenzene	ND	111	100	10.4	109	107	1.9	70 - 130	30
1,2-Dichloroethane	ND	114	98	15.1	111	111	0.0	70 - 130	30
1,2-Dichloropropane	ND	115	103	11.0	108	108	0.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	120	108	10.5	119	114	4.3	70 - 130	30
1,3-Dichlorobenzene	ND	117	105	10.8	114	111	2.7	70 - 130	30
1,3-Dichloropropane	ND	117	103	12.7	109	106	2.8	70 - 130	30
1,4-Dichlorobenzene	ND	112	102	9.3	112	110	1.8	70 - 130	30
2,2-Dichloropropane	ND	107	96	10.8	92	88	4.4	70 - 130	30
2-Chlorotoluene	ND	111	100	10.4	113	106	6.4	70 - 130	30
2-Hexanone	ND	113	98	14.2	102	101	1.0	70 - 130	30
2-Isopropyltoluene	ND	113	102	10.2	120	114	5.1	70 - 130	30
4-Chlorotoluene	ND	113	101	11.2	114	110	3.6	70 - 130	30
4-Methyl-2-pentanone	ND	111	93	17.6	102	105	2.9	70 - 130	30
Acetone	ND	107	98	8.8	105	123	15.8	70 - 130	30
Acrylonitrile	ND	118	98	18.5	96	106	9.9	70 - 130	30
Benzene	ND	112	102	9.3	113	109	3.6	70 - 130	30
Bromobenzene	ND	114	100	13.1	107	105	1.9	70 - 130	30
Bromochloromethane	ND	116	103	11.9	111	112	0.9	70 - 130	30
Bromodichloromethane	ND	114	101	12.1	110	111	0.9	70 - 130	30
Bromoform	ND	139	127	9.0	137	131	4.5	70 - 130	30
Bromomethane	ND	114	103	10.1	114	129	12.3	70 - 130	30
Carbon Disulfide	ND	106	98	7.8	119	115	3.4	70 - 130	30
Carbon tetrachloride	ND	112	100	11.3	129	124	4.0	70 - 130	30
Chlorobenzene	ND	112	102	9.3	117	113	3.5	70 - 130	30
Chloroethane	ND	108	99	8.7	117	123	5.0	70 - 130	30
Chloroform	ND	111	100	10.4	117	115	1.7	70 - 130	30
Chloromethane	ND	102	92	10.3	44	46	4.4	70 - 130	30
cis-1,2-Dichloroethene	ND	116	104	10.9	113	109	3.6	70 - 130	30

QA/QC Data

SDG I.D.: GBB97028

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	113	103	9.3	106	106	0.0	70 - 130	30
Dibromochloromethane	ND	120	105	13.3	113	111	1.8	70 - 130	30
Dibromomethane	ND	114	102	11.1	107	105	1.9	70 - 130	30
Dichlorodifluoromethane	ND	97	89	8.6	122	79	42.8	70 - 130	30
Ethylbenzene	ND	123	114	7.6	129	125	3.1	70 - 130	30
Hexachlorobutadiene	ND	107	97	9.8	111	109	1.8	70 - 130	30
Isopropylbenzene	ND	117	104	11.8	120	115	4.3	70 - 130	30
m&p-Xylene	ND	123	112	9.4	129	124	4.0	70 - 130	30
Methyl ethyl ketone	ND	94	90	4.3	85	106	22.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	115	102	12.0	100	102	2.0	70 - 130	30
Methylene chloride	ND	100	92	8.3	92	91	1.1	70 - 130	30
Naphthalene	ND	120	107	11.5	105	107	1.9	70 - 130	30
n-Butylbenzene	ND	118	105	11.7	118	113	4.3	70 - 130	30
n-Propylbenzene	ND	113	100	12.2	120	115	4.3	70 - 130	30
o-Xylene	ND	120	108	10.5	126	119	5.7	70 - 130	30
p-Isopropyltoluene	ND	121	107	12.3	119	114	4.3	70 - 130	30
sec-Butylbenzene	ND	115	104	10.0	124	118	5.0	70 - 130	30
Styrene	ND	133	125	6.2	132	126	4.7	70 - 130	30
tert-Butylbenzene	ND	112	102	9.3	120	114	5.1	70 - 130	30
Tetrachloroethene	ND	110	103	6.6	120	114	5.1	70 - 130	30
Tetrahydrofuran (THF)	ND	107	99	7.8	94	102	8.2	70 - 130	30
Toluene	ND	116	104	10.9	116	113	2.6	70 - 130	30
trans-1,2-Dichloroethene	ND	110	99	10.5	115	113	1.8	70 - 130	30
trans-1,3-Dichloropropene	ND	119	105	12.5	106	105	0.9	70 - 130	30
trans-1,4-dichloro-2-butene	ND	123	103	17.7	90	90	0.0	70 - 130	30
Trichloroethene	ND	114	104	9.2	126	121	4.0	70 - 130	30
Trichlorofluoromethane	ND	108	99	8.7	127	124	2.4	70 - 130	30
Trichlorotrifluoroethane	ND	105	99	5.9	123	120	2.5	70 - 130	30
Vinyl chloride	ND	107	98	8.8	120	118	1.7	70 - 130	30
% 1,2-dichlorobenzene-d4	99	101	99	2.0	99	99	0.0	70 - 130	30
% Bromofluorobenzene	95	100	101	1.0	101	98	3.0	70 - 130	30
% Dibromofluoromethane	100	100	100	0.0	102	99	3.0	70 - 130	30
% Toluene-d8	99	100	100	0.0	99	100	1.0	70 - 130	30

QA/QC Batch 202631, QC Sample No: BB97050 (BB97028, BB97029, BB97030, BB97031, BB97032, BB97033, BB97034, BB97035)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	76	74	2.7			30 - 130	20
1,2,4-Trichlorobenzene	ND	67	66	1.5			30 - 130	20
1,2-Dichlorobenzene	ND	68	64	6.1			30 - 130	20
1,3-Dichlorobenzene	ND	66	62	6.3			30 - 130	20
1,4-Dichlorobenzene	ND	67	63	6.2			30 - 130	20
2,4,5-Trichlorophenol	ND	79	78	1.3			30 - 130	20
2,4,6-Trichlorophenol	ND	80	79	1.3			30 - 130	20
2,4-Dichlorophenol	ND	77	75	2.6			30 - 130	20
2,4-Dimethylphenol	ND	58	56	3.5			30 - 130	20
2,4-Dinitrophenol	ND	41	41	0.0			30 - 130	20
2,4-Dinitrotoluene	ND	78	73	6.6			30 - 130	20
2,6-Dinitrotoluene	ND	77	74	4.0			30 - 130	20
2-Chloronaphthalene	ND	73	70	4.2			30 - 130	20
2-Chlorophenol	ND	71	65	8.8			30 - 130	20
2-Methylnaphthalene	ND	72	69	4.3			30 - 130	20
2-Methylphenol (o-cresol)	ND	111	101	9.4			30 - 130	20
2-Nitroaniline	ND	103	98	5.0			30 - 130	20

QA/QC Data

SDG I.D.: GBB97028

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2-Nitrophenol	ND	71	72	1.4				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	72	66	8.7				30 - 130	20
3,3'-Dichlorobenzidine	ND		N/A	N/A	NC			30 - 130	20
3-Nitroaniline	ND		>150	>150	NC			30 - 130	20
4,6-Dinitro-2-methylphenol	ND	76	75	1.3				30 - 130	20
4-Bromophenyl phenyl ether	ND	80	77	3.8				30 - 130	20
4-Chloro-3-methylphenol	ND	76	75	1.3				30 - 130	20
4-Chloroaniline	ND	106	101	4.8				30 - 130	20
4-Chlorophenyl phenyl ether	ND	81	75	7.7				30 - 130	20
4-Nitroaniline	ND	75	70	6.9				30 - 130	20
4-Nitrophenol	ND	68	67	1.5				30 - 130	20
Acenaphthene	ND	71	69	2.9				30 - 130	20
Acenaphthylene	ND	45	42	6.9				30 - 130	20
Acetophenone	ND	72	67	7.2				30 - 130	20
Aniline	ND		N/A	N/A	NC			30 - 130	20
Anthracene	ND	75	74	1.3				30 - 130	20
Azobenzene	ND	65	63	3.1				30 - 130	20
Benz(a)anthracene	ND	81	77	5.1				30 - 130	20
Benzidine	ND		N/A	N/A	NC			30 - 130	20
Benzo(a)pyrene	ND	59	55	7.0				30 - 130	20
Benzo(b)fluoranthene	ND	64	66	3.1				30 - 130	20
Benzo(ghi)perylene	ND	78	70	10.8				30 - 130	20
Benzo(k)fluoranthene	ND	70	62	12.1				30 - 130	20
Benzoic acid	ND		N/A	N/A	NC			30 - 130	20
Benzyl butyl phthalate	ND	68	62	9.2				30 - 130	20
Bis(2-chloroethoxy)methane	ND	35	32	9.0				30 - 130	20
Bis(2-chloroethyl)ether	ND	64	60	6.5				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	65	61	6.3				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	65	61	6.3				30 - 130	20
Carbazole	ND	98	94	4.2				30 - 130	20
Chrysene	ND	83	77	7.5				30 - 130	20
Dibenz(a,h)anthracene	ND	74	66	11.4				30 - 130	20
Dibenzofuran	ND	76	73	4.0				30 - 130	20
Diethyl phthalate	ND	83	77	7.5				30 - 130	20
Dimethylphthalate	ND	82	78	5.0				30 - 130	20
Di-n-butylphthalate	ND	79	76	3.9				30 - 130	20
Di-n-octylphthalate	ND	79	76	3.9				30 - 130	20
Fluoranthene	ND	80	76	5.1				30 - 130	20
Fluorene	ND	76	74	2.7				30 - 130	20
Hexachlorobenzene	ND	77	73	5.3				30 - 130	20
Hexachlorobutadiene	ND	76	74	2.7				30 - 130	20
Hexachlorocyclopentadiene	ND	24	23	4.3				30 - 130	20
Hexachloroethane	ND	68	63	7.6				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	73	65	11.6				30 - 130	20
Isophorone	ND	69	68	1.5				30 - 130	20
Naphthalene	ND	69	66	4.4				30 - 130	20
Nitrobenzene	ND	71	67	5.8				30 - 130	20
N-Nitrosodimethylamine	ND	50	53	5.8				30 - 130	20
N-Nitrosodi-n-propylamine	ND	70	67	4.4				30 - 130	20
N-Nitrosodiphenylamine	ND	87	85	2.3				30 - 130	20
Pentachloronitrobenzene	ND	>150	>150	NC				30 - 130	20
Pentachlorophenol	ND	68	65	4.5				30 - 130	20
Phenanthrene	ND	77	74	4.0				30 - 130	20

QA/QC Data

SDG I.D.: GBB97028

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Phenol	ND	70	64	9.0				30 - 130	20
Pyrene	ND	79	75	5.2				30 - 130	20
Pyridine	ND	13	16	20.7				30 - 130	20
% 2,4,6-Tribromophenol	109	71	70	1.4				15 - 130	20
% 2-Fluorobiphenyl	71	65	63	3.1				30 - 130	20
% 2-Fluorophenol	76	58	55	5.3				15 - 130	20
% Nitrobenzene-d5	72	67	63	6.2				30 - 130	20
% Phenol-d5	74	54	49	9.7				15 - 130	20
% Terphenyl-d14	102	82	75	8.9				30 - 130	20
Comment:									
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.									
QA/QC Batch 202723, QC Sample No: BB97273 (BB97031, BB97032, BB97033, BB97034, BB97035)									
Volatiles - Ground Water									
1,1,1,2-Tetrachloroethane	ND	112	109	2.7	102	111	8.5	70 - 130	30
1,1,1-Trichloroethane	ND	95	92	3.2	85	94	10.1	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	91	90	1.1	87	95	8.8	70 - 130	30
1,1,2-Trichloroethane	ND	100	99	1.0	92	97	5.3	70 - 130	30
1,1-Dichloroethane	ND	96	93	3.2	88	97	9.7	70 - 130	30
1,1-Dichloroethene	ND	91	88	3.4	85	93	9.0	70 - 130	30
1,1-Dichloropropene	ND	94	90	4.3	86	93	7.8	70 - 130	30
1,2,3-Trichlorobenzene	ND	97	97	0.0	87	97	10.9	70 - 130	30
1,2,3-Trichloropropane	ND	100	92	8.3	91	99	8.4	70 - 130	30
1,2,4-Trichlorobenzene	ND	97	98	1.0	89	98	9.6	70 - 130	30
1,2,4-Trimethylbenzene	ND	102	100	2.0	90	101	11.5	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	94	94	0.0	85	95	11.1	70 - 130	30
1,2-Dibromoethane	ND	98	96	2.1	94	98	4.2	70 - 130	30
1,2-Dichlorobenzene	ND	94	92	2.2	88	98	10.8	70 - 130	30
1,2-Dichloroethane	ND	99	97	2.0	94	95	1.1	70 - 130	30
1,2-Dichloropropane	ND	95	94	1.1	90	94	4.3	70 - 130	30
1,3,5-Trimethylbenzene	ND	102	98	4.0	89	102	13.6	70 - 130	30
1,3-Dichlorobenzene	ND	97	95	2.1	89	100	11.6	70 - 130	30
1,3-Dichloropropane	ND	98	96	2.1	92	96	4.3	70 - 130	30
1,4-Dichlorobenzene	ND	99	96	3.1	92	100	8.3	70 - 130	30
2,2-Dichloropropane	ND	73	70	4.2	51	56	9.3	70 - 130	30
2-Chlorotoluene	ND	96	93	3.2	86	98	13.0	70 - 130	30
2-Hexanone	ND	86	88	2.3	85	93	9.0	70 - 130	30
2-Isopropyltoluene	ND	98	94	4.2	89	100	11.6	70 - 130	30
4-Chlorotoluene	ND	93	92	1.1	86	99	14.1	70 - 130	30
4-Methyl-2-pentanone	ND	87	89	2.3	92	93	1.1	70 - 130	30
Acetone	ND	95	92	3.2	107	108	0.9	70 - 130	30
Acrylonitrile	ND	95	95	0.0	93	94	1.1	70 - 130	30
Benzene	ND	98	95	3.1	90	95	5.4	70 - 130	30
Bromobenzene	ND	96	95	1.0	89	97	8.6	70 - 130	30
Bromochloromethane	ND	97	98	1.0	96	102	6.1	70 - 130	30
Bromodichloromethane	ND	96	95	1.0	94	97	3.1	70 - 130	30
Bromoform	ND	118	118	0.0	112	124	10.2	70 - 130	30
Bromomethane	ND	103	101	2.0	58	82	34.3	70 - 130	30
Carbon Disulfide	ND	92	88	4.4	87	97	10.9	70 - 130	30
Carbon tetrachloride	ND	96	91	5.3	83	91	9.2	70 - 130	30
Chlorobenzene	ND	100	97	3.0	93	101	8.2	70 - 130	30
Chloroethane	ND	92	95	3.2	76	97	24.3	70 - 130	30
Chloroform	ND	98	93	5.2	89	98	9.6	70 - 130	30

QA/QC Data

SDG I.D.: GBB97028

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chloromethane	ND	86	83	3.6	77	89	14.5	70 - 130	30
cis-1,2-Dichloroethene	ND	98	96	2.1	89	97	8.6	70 - 130	30
cis-1,3-Dichloropropene	ND	92	91	1.1	82	88	7.1	70 - 130	30
Dibromochloromethane	ND	100	100	0.0	92	102	10.3	70 - 130	30
Dibromomethane	ND	96	96	0.0	93	95	2.1	70 - 130	30
Dichlorodifluoromethane	ND	84	80	4.9	81	92	12.7	70 - 130	30
Ethylbenzene	ND	112	108	3.6	100	112	11.3	70 - 130	30
Hexachlorobutadiene	ND	91	88	3.4	77	91	16.7	70 - 130	30
Isopropylbenzene	ND	97	94	3.1	87	100	13.9	70 - 130	30
m&p-Xylene	ND	108	103	4.7	99	110	10.5	70 - 130	30
Methyl ethyl ketone	ND	85	80	6.1	96	88	8.7	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	92	92	0.0	92	91	1.1	70 - 130	30
Methylene chloride	ND	87	86	1.2	84	91	8.0	70 - 130	30
Naphthalene	ND	99	100	1.0	87	104	17.8	70 - 130	30
n-Butylbenzene	ND	97	95	2.1	82	94	13.6	70 - 130	30
n-Propylbenzene	ND	94	91	3.2	87	97	10.9	70 - 130	30
o-Xylene	ND	106	100	5.8	98	109	10.6	70 - 130	30
p-Isopropyltoluene	ND	101	97	4.0	85	95	11.1	70 - 130	30
sec-Butylbenzene	ND	97	93	4.2	86	99	14.1	70 - 130	30
Styrene	ND	121	119	1.7	114	127	10.8	70 - 130	30
tert-Butylbenzene	ND	94	92	2.2	86	97	12.0	70 - 130	30
Tetrachloroethene	ND	95	90	5.4	85	97	13.2	70 - 130	30
Tetrahydrofuran (THF)	ND	89	93	4.4	94	99	5.2	70 - 130	30
Toluene	ND	99	95	4.1	90	96	6.5	70 - 130	30
trans-1,2-Dichloroethene	ND	96	92	4.3	88	97	9.7	70 - 130	30
trans-1,3-Dichloropropene	ND	93	93	0.0	84	88	4.7	70 - 130	30
trans-1,4-dichloro-2-butene	ND	87	84	3.5	59	68	14.2	70 - 130	30
Trichloroethene	ND	99	95	4.1	89	96	7.6	70 - 130	30
Trichlorofluoromethane	ND	97	91	6.4	83	94	12.4	70 - 130	30
Trichlorotrifluoroethane	ND	91	86	5.6	82	90	9.3	70 - 130	30
Vinyl chloride	ND	91	88	3.4	83	94	12.4	70 - 130	30
% 1,2-dichlorobenzene-d4	99	98	98	0.0	96	101	5.1	70 - 130	30
% Bromofluorobenzene	94	99	98	1.0	100	100	0.0	70 - 130	30
% Dibromofluoromethane	98	97	101	4.0	96	99	3.1	70 - 130	30
% Toluene-d8	97	99	99	0.0	101	98	3.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 202729, QC Sample No: BB97529 (BB97029 (10X) , BB97030)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	114	113	0.9	133		70 - 130	30	m
1,1,1-Trichloroethane	ND	96	99	3.1	85		70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	95	94	1.1	114		70 - 130	30	
1,1,2-Trichloroethane	ND	102	102	0.0	125		70 - 130	30	
1,1-Dichloroethane	ND	98	98	0.0	89		70 - 130	30	
1,1-Dichloroethene	ND	94	97	3.1	87		70 - 130	30	
1,1-Dichloropropene	ND	97	101	4.0	103		70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	100	2.0	118		70 - 130	30	
1,2,3-Trichloropropane	ND	104	101	2.9	119		70 - 130	30	
1,2,4-Trichlorobenzene	ND	103	102	1.0	115		70 - 130	30	
1,2,4-Trimethylbenzene	ND	107	107	0.0	113		70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	100	99	1.0	120		70 - 130	30	
1,2-Dibromoethane	ND	101	101	0.0			70 - 130	30	

QA/QC Data

SDG I.D.: GBB97028

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichlorobenzene	ND	98	97	1.0	112			70 - 130	30
1,2-Dichloroethane	ND	98	96	2.1	126			70 - 130	30
1,2-Dichloropropane	ND	97	99	2.0	114			70 - 130	30
1,3,5-Trimethylbenzene	ND	107	106	0.9	110			70 - 130	30
1,3-Dichlorobenzene	ND	102	101	1.0	112			70 - 130	30
1,3-Dichloropropane	ND	104	101	2.9	121			70 - 130	30
1,4-Dichlorobenzene	ND	102	103	1.0	115			70 - 130	30
2,2-Dichloropropane	ND	89	91	2.2	55			70 - 130	30
2-Chlorotoluene	ND	99	99	0.0	105			70 - 130	30
2-Hexanone	ND	93	94	1.1	131			70 - 130	30
2-Isopropyltoluene	ND	101	101	0.0	111			70 - 130	30
4-Chlorotoluene	ND	98	97	1.0	107			70 - 130	30
4-Methyl-2-pentanone	ND	92	94	2.2	132			70 - 130	30
Acetone	ND	103	103	0.0	120			70 - 130	30
Acrylonitrile	ND	101	95	6.1	95			70 - 130	30
Benzene	ND	99	101	2.0	147			70 - 130	30
Bromobenzene	ND	100	99	1.0	110			70 - 130	30
Bromochloromethane	ND	103	101	2.0	97			70 - 130	30
Bromodichloromethane	ND	97	98	1.0	122			70 - 130	30
Bromoform	ND	124	125	0.8	>150			70 - 130	30
Bromomethane	ND	90	97	7.5	71			70 - 130	30
Carbon Disulfide	ND	94	98	4.2	85			70 - 130	30
Carbon tetrachloride	ND	95	98	3.1	103			70 - 130	30
Chlorobenzene	ND	100	103	3.0	117			70 - 130	30
Chloroethane	ND	92	95	3.2	85			70 - 130	30
Chloroform	ND	97	101	4.0	90			70 - 130	30
Chloromethane	ND	83	85	2.4	77			70 - 130	30
cis-1,2-Dichloroethene	ND	101	101	0.0	89			70 - 130	30
cis-1,3-Dichloropropene	ND	95	98	3.1	113			70 - 130	30
Dibromochloromethane	ND	104	102	1.9	123			70 - 130	30
Dibromomethane	ND	99	99	0.0	122			70 - 130	30
Dichlorodifluoromethane	ND	88	91	3.4	74			70 - 130	30
Ethylbenzene	ND	115	117	1.7	126			70 - 130	30
Hexachlorobutadiene	ND	95	98	3.1	100			70 - 130	30
Isopropylbenzene	ND	103	102	1.0	107			70 - 130	30
m&p-Xylene	ND	111	114	2.7	124			70 - 130	30
Methyl ethyl ketone	ND	92	84	9.1	99			70 - 130	30
Methyl t-butyl ether (MTBE)	ND	95	97	2.1	117			70 - 130	30
Methylene chloride	ND	86	87	1.2	83			70 - 130	30
n-Butylbenzene	ND	103	104	1.0	102			70 - 130	30
n-Propylbenzene	ND	98	99	1.0	106			70 - 130	30
o-Xylene	ND	109	107	1.9	123			70 - 130	30
p-Isopropyltoluene	ND	108	108	0.0	105			70 - 130	30
sec-Butylbenzene	ND	102	102	0.0	105			70 - 130	30
Styrene	ND	126	127	0.8	133			70 - 130	30
tert-Butylbenzene	ND	98	98	0.0	104			70 - 130	30
Tetrachloroethene	ND	97	101	4.0	104			70 - 130	30
Tetrahydrofuran (THF)	ND	98	97	1.0	102			70 - 130	30
Toluene	ND	99	101	2.0	114			70 - 130	30
trans-1,2-Dichloroethene	ND	96	99	3.1	89			70 - 130	30
trans-1,3-Dichloropropene	ND	96	99	3.1	117			70 - 130	30
trans-1,4-dichloro-2-butene	ND	82	81	1.2	99			70 - 130	30
Trichloroethene	ND	99	101	2.0	112			70 - 130	30

QA/QC Data

SDG I.D.: GBB97028

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichlorofluoromethane	ND	102	106	3.8	82			70 - 130	30
Trichlorotrifluoroethane	ND	98	100	2.0	79			70 - 130	30
Vinyl chloride	ND	92	95	3.2	83			70 - 130	30
% 1,2-dichlorobenzene-d4	98	100	96	4.1	99			70 - 130	30
% Bromofluorobenzene	93	98	97	1.0	101			70 - 130	30
% Dibromofluoromethane	100	98	99	1.0	80			70 - 130	30
% Toluene-d8	98	98	99	1.0	100			70 - 130	30

Comment:

A blank MS was analyzed with this batch. The MSD is not reported for this batch.

QA/QC Batch 202952, QC Sample No: BB98339 (BB97035 (5X))

Volatiles - Ground Water

Naphthalene	ND	103	96	7.0		70 - 130	30
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I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director
June 19, 2012



Friday, June 22, 2012

**Attn: Mr Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933**

**Project ID: USDHS-PLUM ISLAND
Sample ID#s: BB97939 - BB97946**

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

**NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B**

**NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301**



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 22, 2012

FOR: Attn: Mr Dave Reardon
 Miller Environmental Group, Inc.
 538 Edwards Avenue
 Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
 Location Code: MILLERCA
 Rush Request: Standard
 P.O.#: M11 0489

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date 06/12/12 Time 0:00

Date 06/13/12 Time 17:20

SDG ID: GBB97939

Phoenix ID: BB97939

Project ID: USDHS-PLUM ISLAND

Client ID: PI 30

Laboratory Data

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/14/12		F/K/D	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	06/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichloroethane	ND	0.6	ug/L	06/15/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Hexanone	ND	5	ug/L	06/15/12		R/T	SW8260
2-Isopropyltoluene	ND	1	ug/L	06/15/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5	ug/L	06/15/12		R/T	SW8260
Acetone	ND	25	ug/L	06/15/12		R/T	SW8260
Acrylonitrile	ND	5	ug/L	06/15/12		R/T	SW8260
Benzene	ND	0.7	ug/L	06/15/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromodichloromethane	ND	0.5	ug/L	06/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Carbon Disulfide	ND	5	ug/L	06/15/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.5	ug/L	06/15/12		R/T	SW8260
Dibromochloromethane	ND	0.5	ug/L	06/15/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Hexachlorobutadiene	ND	0.4	ug/L	06/15/12		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methyl ethyl ketone	ND	5	ug/L	06/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Naphthalene	ND	1.0	ug/L	06/15/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/15/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5	ug/L	06/15/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Total Xylenes	ND	2.0	ug/L	06/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.5	ug/L	06/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5	ug/L	06/15/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1	ug/L	06/15/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	06/15/12		R/T	70 - 130 %
% Bromofluorobenzene	97		%	06/15/12		R/T	70 - 130 %
% Dibromofluoromethane	97		%	06/15/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	97		%	06/15/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/18/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/18/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/18/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/18/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/18/12		DD	SW8270
Aniline	ND	10	ug/L	06/18/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/18/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
Benzidine	ND	50	ug/L	06/18/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/18/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/18/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/18/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/18/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
Phenol	ND	10	ug/L	06/18/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/18/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	119		%	06/18/12		DD	15 - 130 %
% 2-Fluorobiphenyl	72		%	06/18/12		DD	15 - 130 %
% 2-Fluorophenol	74		%	06/18/12		DD	15 - 130 %
% Nitrobenzene-d5	72		%	06/18/12		DD	15 - 130 %
% Phenol-d5	77		%	06/18/12		DD	15 - 130 %
% Terphenyl-d14	81		%	06/18/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthene	0.22	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthylene	0.05	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/17/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/17/12		DD	SW8270 (SIM)
Phenanthrene	0.12	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/17/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	119		%	06/17/12		DD	15 - 130 %
% 2-Fluorobiphenyl	72		%	06/17/12		DD	15 - 130 %
% 2-Fluorophenol	74		%	06/17/12		DD	15 - 130 %
% Nitrobenzene-d5	72		%	06/17/12		DD	15 - 130 %
% Phenol-d5	77		%	06/17/12		DD	15 - 130 %
% Terphenyl-d14	81		%	06/17/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 22, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 22, 2012

FOR: Attn: Mr Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
Location Code: MILLERCA
Rush Request: Standard
P.O.#: M11 0489

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date
Time

06/12/12 0:00
06/13/12 17:20

SDG ID: GBB97939

Phoenix ID: BB97940

Laboratory Data

Project ID: USDHS-PLUM ISLAND

Client ID: PI 8

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/14/12		F/K/D	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/15/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/15/12		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/15/12		R/T	SW8260
Acetone	ND	25	ug/L	06/15/12		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/15/12		R/T	SW8260
Benzene	ND	0.70	ug/L	06/15/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/15/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/15/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/15/12		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Naphthalene	ND	1.0	ug/L	06/15/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/15/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/15/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/15/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	06/15/12		R/T	70 - 130 %
% Bromofluorobenzene	96		%	06/15/12		R/T	70 - 130 %
% Dibromofluoromethane	97		%	06/15/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	95		%	06/15/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/18/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/18/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/18/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/18/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/18/12		DD	SW8270
Aniline	ND	10	ug/L	06/18/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/18/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
Benzidine	ND	50	ug/L	06/18/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/18/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/18/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/18/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/18/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
Phenol	ND	10	ug/L	06/18/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/18/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	99		%	06/18/12		DD	15 - 130 %
% 2-Fluorobiphenyl	64		%	06/18/12		DD	15 - 130 %
% 2-Fluorophenol	67		%	06/18/12		DD	15 - 130 %
% Nitrobenzene-d5	68		%	06/18/12		DD	15 - 130 %
% Phenol-d5	68		%	06/18/12		DD	15 - 130 %
% Terphenyl-d14	87		%	06/18/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthylene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/17/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/17/12		DD	SW8270 (SIM)
Phenanthrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/17/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	99		%	06/17/12		DD	15 - 130 %
% 2-Fluorobiphenyl	64		%	06/17/12		DD	15 - 130 %
% 2-Fluorophenol	67		%	06/17/12		DD	15 - 130 %
% Nitrobenzene-d5	68		%	06/17/12		DD	15 - 130 %
% Phenol-d5	68		%	06/17/12		DD	15 - 130 %
% Terphenyl-d14	87		%	06/17/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

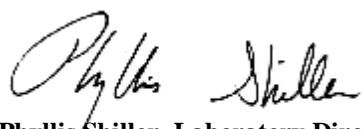
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 22, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 22, 2012

FOR: Attn: Mr Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
Location Code: MILLERCA
Rush Request: Standard
P.O.#: M11 0489

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date
Time

06/12/12 0:00
06/13/12 17:20

SDG ID: GBB97939

Phoenix ID: BB97941

Laboratory Data

Project ID: USDHS-PLUM ISLAND

Client ID: PI 27

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/14/12		F/K/D	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/15/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/15/12		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/15/12		R/T	SW8260
Acetone	ND	25	ug/L	06/15/12		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/15/12		R/T	SW8260
Benzene	ND	0.70	ug/L	06/15/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromochloromethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
Bromodichloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/15/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/15/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/15/12		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Naphthalene	ND	1.0	ug/L	06/15/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
sec-Butylbenzene	1.3	1.0	ug/L	06/15/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/15/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/15/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/15/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	06/15/12		R/T	70 - 130 %
% Bromofluorobenzene	97		%	06/15/12		R/T	70 - 130 %
% Dibromofluoromethane	79		%	06/15/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	96		%	06/15/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/18/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/18/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/18/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/18/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/18/12		DD	SW8270
Aniline	ND	10	ug/L	06/18/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/18/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
Benzidine	ND	50	ug/L	06/18/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/18/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Carbazole	10	5.0	ug/L	06/18/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/18/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/18/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
Phenol	ND	10	ug/L	06/18/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/18/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	113		%	06/18/12		DD	15 - 130 %
% 2-Fluorobiphenyl	66		%	06/18/12		DD	15 - 130 %
% 2-Fluorophenol	70		%	06/18/12		DD	15 - 130 %
% Nitrobenzene-d5	65		%	06/18/12		DD	15 - 130 %
% Phenol-d5	70		%	06/18/12		DD	15 - 130 %
% Terphenyl-d14	103		%	06/18/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthene	1.5	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthylene	0.28	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/17/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/17/12		DD	SW8270 (SIM)
Phenanthrene	0.52	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/17/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	113		%	06/17/12		DD	15 - 130 %
% 2-Fluorobiphenyl	66		%	06/17/12		DD	15 - 130 %
% 2-Fluorophenol	70		%	06/17/12		DD	15 - 130 %
% Nitrobenzene-d5	65		%	06/17/12		DD	15 - 130 %
% Phenol-d5	70		%	06/17/12		DD	15 - 130 %
% Terphenyl-d14	103		%	06/17/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

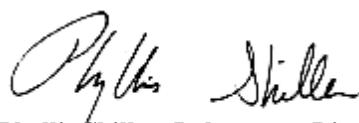
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 22, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 22, 2012

FOR: Attn: Mr Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
Location Code: MILLERCA
Rush Request: Standard
P.O.#: M11 0489

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date
Time

06/12/12 0:00
06/13/12 17:20

SDG ID: GBB97939

Phoenix ID: BB97942

Laboratory Data

Project ID: USDHS-PLUM ISLAND

Client ID: PI 26

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/14/12		F/K/D	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/15/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/15/12		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/15/12		R/T	SW8260
Acetone	ND	25	ug/L	06/15/12		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/15/12		R/T	SW8260
Benzene	ND	0.70	ug/L	06/15/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/15/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/15/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/15/12		R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Naphthalene	ND	1.0	ug/L	06/15/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/15/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/15/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/15/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	06/15/12		R/T	70 - 130 %
% Bromofluorobenzene	95		%	06/15/12		R/T	70 - 130 %
% Dibromofluoromethane	99		%	06/15/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	97		%	06/15/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/18/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/18/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/18/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/18/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/18/12		DD	SW8270
Aniline	ND	10	ug/L	06/18/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/18/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
Benzidine	ND	50	ug/L	06/18/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/18/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/18/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/18/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/18/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
Phenol	ND	10	ug/L	06/18/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/18/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	83		%	06/18/12		DD	15 - 130 %
% 2-Fluorobiphenyl	66		%	06/18/12		DD	15 - 130 %
% 2-Fluorophenol	61		%	06/18/12		DD	15 - 130 %
% Nitrobenzene-d5	66		%	06/18/12		DD	15 - 130 %
% Phenol-d5	63		%	06/18/12		DD	15 - 130 %
% Terphenyl-d14	79		%	06/18/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthylene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/17/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/17/12		DD	SW8270 (SIM)
Phenanthrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/17/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	83		%	06/17/12		DD	15 - 130 %
% 2-Fluorobiphenyl	66		%	06/17/12		DD	15 - 130 %
% 2-Fluorophenol	61		%	06/17/12		DD	15 - 130 %
% Nitrobenzene-d5	66		%	06/17/12		DD	15 - 130 %
% Phenol-d5	63		%	06/17/12		DD	15 - 130 %
% Terphenyl-d14	79		%	06/17/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

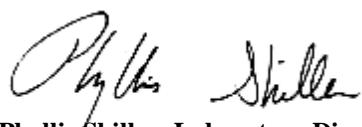
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 22, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 22, 2012

FOR: Attn: Mr Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
Location Code: MILLERCA
Rush Request: Standard
P.O.#: M11 0489

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date
Time

06/12/12 0:00
06/13/12 17:20

SDG ID: GBB97939

Phoenix ID: BB97943

Laboratory Data

Project ID: USDHS-PLUM ISLAND

Client ID: PI 24

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/14/12		F/K/D	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	06/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	21	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichloroethane	ND	0.6	ug/L	06/15/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	3.1	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Hexanone	ND	5	ug/L	06/15/12		R/T	SW8260
2-Isopropyltoluene	ND	1	ug/L	06/15/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5	ug/L	06/15/12		R/T	SW8260
Acetone	ND	25	ug/L	06/15/12		R/T	SW8260
Acrylonitrile	ND	5	ug/L	06/15/12		R/T	SW8260
Benzene	11	0.7	ug/L	06/15/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromodichloromethane	ND	0.5	ug/L	06/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Carbon Disulfide	ND	5	ug/L	06/15/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.5	ug/L	06/15/12		R/T	SW8260
Dibromochloromethane	ND	0.5	ug/L	06/15/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Ethylbenzene	5.1	1.0	ug/L	06/15/12		R/T	SW8260
Hexachlorobutadiene	ND	0.4	ug/L	06/15/12		R/T	SW8260
Isopropylbenzene	4.8	1.0	ug/L	06/15/12		R/T	SW8260
m&p-Xylene	7.4	1.0	ug/L	06/15/12		R/T	SW8260
Methyl ethyl ketone	ND	5	ug/L	06/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Naphthalene	57	1.0	ug/L	06/15/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
n-Propylbenzene	5.4	1.0	ug/L	06/15/12		R/T	SW8260
o-Xylene	4.2	1.0	ug/L	06/15/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
sec-Butylbenzene	3.4	1.0	ug/L	06/15/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/15/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5	ug/L	06/15/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Total Xylenes	11.6	2.0	ug/L	06/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.5	ug/L	06/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5	ug/L	06/15/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1	ug/L	06/15/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	104		%	06/15/12		R/T	70 - 130 %
% Bromofluorobenzene	98		%	06/15/12		R/T	70 - 130 %
% Dibromofluoromethane	96		%	06/15/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	126		%	06/15/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.3	ug/L	06/18/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.3	ug/L	06/18/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.3	ug/L	06/18/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.3	ug/L	06/18/12		DD	SW8270
2,4,5-Trichlorophenol	ND	11	ug/L	06/18/12		DD	SW8270
2,4,6-Trichlorophenol	ND	11	ug/L	06/18/12		DD	SW8270
2,4-Dichlorophenol	ND	11	ug/L	06/18/12		DD	SW8270
2,4-Dimethylphenol	ND	11	ug/L	06/18/12		DD	SW8270
2,4-Dinitrophenol	ND	53	ug/L	06/18/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.3	ug/L	06/18/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.3	ug/L	06/18/12		DD	SW8270
2-Chloronaphthalene	ND	5.3	ug/L	06/18/12		DD	SW8270
2-Chlorophenol	ND	11	ug/L	06/18/12		DD	SW8270
2-Methylnaphthalene	31	5.3	ug/L	06/18/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	11	ug/L	06/18/12		DD	SW8270
2-Nitroaniline	ND	53	ug/L	06/18/12		DD	SW8270
2-Nitrophenol	ND	11	ug/L	06/18/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	11	ug/L	06/18/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	53	ug/L	06/18/12		DD	SW8270
3-Nitroaniline	ND	53	ug/L	06/18/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	53	ug/L	06/18/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.3	ug/L	06/18/12		DD	SW8270
4-Chloro-3-methylphenol	ND	21	ug/L	06/18/12		DD	SW8270
4-Chloroaniline	ND	21	ug/L	06/18/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.3	ug/L	06/18/12		DD	SW8270
4-Nitroaniline	ND	21	ug/L	06/18/12		DD	SW8270
4-Nitrophenol	ND	53	ug/L	06/18/12		DD	SW8270
Acetophenone	ND	5.3	ug/L	06/18/12		DD	SW8270
Aniline	ND	11	ug/L	06/18/12		DD	SW8270
Anthracene	ND	5.3	ug/L	06/18/12		DD	SW8270
Azobenzene	ND	5.3	ug/L	06/18/12		DD	SW8270
Benzidine	ND	53	ug/L	06/18/12		DD	SW8270
Benzoic acid	ND	53	ug/L	06/18/12		DD	SW8270
Benzyl butyl phthalate	ND	5.3	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.3	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.3	ug/L	06/18/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.3	ug/L	06/18/12		DD	SW8270
Carbazole	19	5.3	ug/L	06/18/12		DD	SW8270
Dibenzofuran	ND	5.3	ug/L	06/18/12		DD	SW8270
Diethyl phthalate	ND	5.3	ug/L	06/18/12		DD	SW8270
Dimethylphthalate	ND	5.3	ug/L	06/18/12		DD	SW8270
Di-n-butylphthalate	ND	5.3	ug/L	06/18/12		DD	SW8270
Di-n-octylphthalate	ND	5.3	ug/L	06/18/12		DD	SW8270
Fluoranthene	ND	5.3	ug/L	06/18/12		DD	SW8270
Fluorene	ND	5.3	ug/L	06/18/12		DD	SW8270
Hexachlorobutadiene	ND	5.3	ug/L	06/18/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.3	ug/L	06/18/12		DD	SW8270
Isophorone	ND	5.3	ug/L	06/18/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	42	5.3	ug/L	06/18/12		DD	SW8270
Nitrobenzene	ND	5.3	ug/L	06/18/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.3	ug/L	06/18/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.3	ug/L	06/18/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.3	ug/L	06/18/12		DD	SW8270
Phenol	ND	11	ug/L	06/18/12		DD	SW8270
Pyrene	ND	5.3	ug/L	06/18/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	103		%	06/18/12		DD	15 - 130 %
% 2-Fluorobiphenyl	56		%	06/18/12		DD	15 - 130 %
% 2-Fluorophenol	70		%	06/18/12		DD	15 - 130 %
% Nitrobenzene-d5	73		%	06/18/12		DD	15 - 130 %
% Phenol-d5	80		%	06/18/12		DD	15 - 130 %
% Terphenyl-d14	92		%	06/18/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.7	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthene	2.4	0.053	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthylene	0.49	0.053	ug/L	06/17/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.042	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.053	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.053	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.2	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.053	ug/L	06/17/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.7	ug/L	06/17/12		DD	SW8270 (SIM)
Chrysene	ND	0.053	ug/L	06/17/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.011	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.063	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.5	ug/L	06/17/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.053	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.84	ug/L	06/17/12		DD	SW8270 (SIM)
Phenanthrene	3	0.053	ug/L	06/17/12		DD	SW8270 (SIM)
Pyridine	ND	0.53	ug/L	06/17/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	103		%	06/17/12		DD	15 - 130 %
% 2-Fluorobiphenyl	56		%	06/17/12		DD	15 - 130 %
% 2-Fluorophenol	70		%	06/17/12		DD	15 - 130 %
% Nitrobenzene-d5	73		%	06/17/12		DD	15 - 130 %
% Phenol-d5	80		%	06/17/12		DD	15 - 130 %
% Terphenyl-d14	92		%	06/17/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

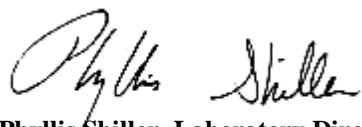
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 22, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 22, 2012

FOR: Attn: Mr Dave Reardon
 Miller Environmental Group, Inc.
 538 Edwards Avenue
 Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
 Location Code: MILLERCA
 Rush Request: Standard
 P.O.#: M11 0489

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

Time

06/12/12 0:00
 06/13/12 17:20

SDG ID: GBB97939

Phoenix ID: BB97944

Laboratory Data

Project ID: USDHS-PLUM ISLAND

Client ID: PI 29

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/14/12		F/K/D	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	06/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	1.1	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichloroethane	ND	0.6	ug/L	06/15/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Hexanone	ND	5	ug/L	06/15/12		R/T	SW8260
2-Isopropyltoluene	2.4	1	ug/L	06/15/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5	ug/L	06/15/12		R/T	SW8260
Acetone	ND	25	ug/L	06/15/12		R/T	SW8260
Acrylonitrile	ND	5	ug/L	06/15/12		R/T	SW8260
Benzene	ND	0.7	ug/L	06/15/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromodichloromethane	ND	0.5	ug/L	06/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Carbon Disulfide	ND	5	ug/L	06/15/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.5	ug/L	06/15/12		R/T	SW8260
Dibromochloromethane	ND	0.5	ug/L	06/15/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Hexachlorobutadiene	ND	0.4	ug/L	06/15/12		R/T	SW8260
Isopropylbenzene	5.4	1.0	ug/L	06/15/12		R/T	SW8260
m&p-Xylene	2.3	1.0	ug/L	06/15/12		R/T	SW8260
Methyl ethyl ketone	ND	5	ug/L	06/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Naphthalene	55	1.0	ug/L	06/15/12		R/T	SW8260
n-Butylbenzene	2.2	1.0	ug/L	06/15/12		R/T	SW8260
n-Propylbenzene	4.9	1.0	ug/L	06/15/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
sec-Butylbenzene	6.2	1.0	ug/L	06/15/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/15/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5	ug/L	06/15/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Total Xylenes	2.3	2.0	ug/L	06/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.5	ug/L	06/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5	ug/L	06/15/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1	ug/L	06/15/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	06/15/12		R/T	70 - 130 %
% Bromofluorobenzene	97		%	06/15/12		R/T	70 - 130 %
% Dibromofluoromethane	100		%	06/15/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	97		%	06/15/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2-Methylnaphthalene	34	5.0	ug/L	06/18/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/18/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/18/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/18/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/18/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/18/12		DD	SW8270
Aniline	ND	10	ug/L	06/18/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/18/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
Benzidine	ND	50	ug/L	06/18/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/18/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Carbazole	6.1	5.0	ug/L	06/18/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/18/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluorene	5.3	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/18/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	25	5.0	ug/L	06/18/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
Phenol	ND	10	ug/L	06/18/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/18/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	97		%	06/18/12		DD	15 - 130 %
% 2-Fluorobiphenyl	54		%	06/18/12		DD	15 - 130 %
% 2-Fluorophenol	72		%	06/18/12		DD	15 - 130 %
% Nitrobenzene-d5	67		%	06/18/12		DD	15 - 130 %
% Phenol-d5	72		%	06/18/12		DD	15 - 130 %
% Terphenyl-d14	81		%	06/18/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthene	2.5	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthylene	0.48	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/17/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/17/12		DD	SW8270 (SIM)
Phenanthrene	3.6	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/17/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	97		%	06/17/12		DD	15 - 130 %
% 2-Fluorobiphenyl	54		%	06/17/12		DD	15 - 130 %
% 2-Fluorophenol	72		%	06/17/12		DD	15 - 130 %
% Nitrobenzene-d5	67		%	06/17/12		DD	15 - 130 %
% Phenol-d5	72		%	06/17/12		DD	15 - 130 %
% Terphenyl-d14	81		%	06/17/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

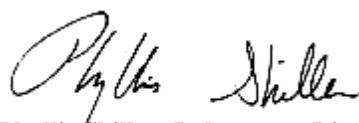
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 22, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 22, 2012

FOR: Attn: Mr Dave Reardon
Miller Environmental Group, Inc.
538 Edwards Avenue
Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
Location Code: MILLERCA
Rush Request: Standard
P.O.#: M11 0489

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date
Time

06/12/12 0:00
06/13/12 17:20

SDG ID: GBB97939

Phoenix ID: BB97945

Laboratory Data

Project ID: USDHS-PLUM ISLAND

Client ID: PI 21

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/14/12		F/K/D	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	52	5.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/15/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/15/12		R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/15/12		R/T	SW8260
Acetone	ND	25	ug/L	06/15/12		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/15/12		R/T	SW8260
Benzene	ND	0.70	ug/L	06/15/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromochloromethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
Bromodichloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/15/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/15/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/15/12		R/T	SW8260
Isopropylbenzene	5.5	1.0	ug/L	06/15/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Naphthalene	42	5.0	ug/L	06/15/12		R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
n-Propylbenzene	7.1	1.0	ug/L	06/15/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
p-Isopropyltoluene	2.3	1.0	ug/L	06/15/12		R/T	SW8260
sec-Butylbenzene	2.9	1.0	ug/L	06/15/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/15/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/15/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/15/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	06/15/12		R/T	70 - 130 %
% Bromofluorobenzene	95		%	06/15/12		R/T	70 - 130 %
% Dibromofluoromethane	98		%	06/15/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	97		%	06/15/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2-Methylnaphthalene	25	5.0	ug/L	06/18/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/18/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/18/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/18/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/18/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/18/12		DD	SW8270
Aniline	ND	10	ug/L	06/18/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/18/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
Benzidine	ND	50	ug/L	06/18/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/18/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/18/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/18/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluorene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/18/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	27	5.0	ug/L	06/18/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
Phenol	ND	10	ug/L	06/18/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/18/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	117		%	06/18/12		DD	15 - 130 %
% 2-Fluorobiphenyl	68		%	06/18/12		DD	15 - 130 %
% 2-Fluorophenol	74		%	06/18/12		DD	15 - 130 %
% Nitrobenzene-d5	66		%	06/18/12		DD	15 - 130 %
% Phenol-d5	76		%	06/18/12		DD	15 - 130 %
% Terphenyl-d14	85		%	06/18/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthene	1.1	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthylene	0.19	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/17/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/17/12		DD	SW8270 (SIM)
Phenanthrene	0.91	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/17/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	117		%	06/17/12		DD	15 - 130 %
% 2-Fluorobiphenyl	68		%	06/17/12		DD	15 - 130 %
% 2-Fluorophenol	74		%	06/17/12		DD	15 - 130 %
% Nitrobenzene-d5	66		%	06/17/12		DD	15 - 130 %
% Phenol-d5	76		%	06/17/12		DD	15 - 130 %
% Terphenyl-d14	85		%	06/17/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1P = This parameter is pending certification by NY NELAC for this matrix.

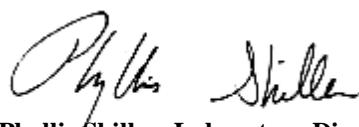
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 22, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 22, 2012

FOR: Attn: Mr Dave Reardon
 Miller Environmental Group, Inc.
 538 Edwards Avenue
 Calverton, NY 11933

Sample Information

Matrix: GROUND WATER
 Location Code: MILLERCA
 Rush Request: Standard
 P.O.#: M11 0489

Custody Information

Collected by:
 Received by: SW
 Analyzed by: see "By" below

Date

Time

06/12/12 0:00
 06/13/12 17:20

SDG ID: GBB97939

Phoenix ID: BB97946

Laboratory Data

Project ID: USDHS-PLUM ISLAND

Client ID: PI 37

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			06/14/12		F/K/D	SW3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2,4-Trimethylbenzene	39	10	ug/L	06/15/12		R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	06/15/12		R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
2-Hexanone	ND	5.0	ug/L	06/15/12		R/T	SW8260
2-Isopropyltoluene	3.5	1.0	ug/L	06/15/12		R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	06/15/12		R/T	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	5.0	ug/L	06/15/12		R/T	SW8260
Acetone	ND	25	ug/L	06/15/12		R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	06/15/12		R/T	SW8260
Benzene	ND	0.70	ug/L	06/15/12		R/T	SW8260
Bromobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromochloromethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
Bromodichloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromoform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Bromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	06/15/12		R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloroform	ND	1.0	ug/L	06/15/12		R/T	SW8260
Chloromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	06/15/12		R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	06/15/12		R/T	SW8260
Dibromomethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	06/15/12		R/T	SW8260
Isopropylbenzene	14	1.0	ug/L	06/15/12		R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	06/15/12		R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	06/15/12		R/T	SW8260
Methylene chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
Naphthalene	130	10	ug/L	06/15/12		R/T	SW8260
n-Butylbenzene	4.7	1.0	ug/L	06/15/12		R/T	SW8260
n-Propylbenzene	15	1.0	ug/L	06/15/12		R/T	SW8260
o-Xylene	ND	1.0	ug/L	06/15/12		R/T	SW8260
p-Isopropyltoluene	5.4	1.0	ug/L	06/15/12		R/T	SW8260
sec-Butylbenzene	12	1.0	ug/L	06/15/12		R/T	SW8260
Styrene	ND	1.0	ug/L	06/15/12		R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	06/15/12		R/T	SW8260
Toluene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Total Xylenes	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	06/15/12		R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	06/15/12		R/T	SW8260
Trichloroethene	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	06/15/12		R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	06/15/12		R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	106		%	06/15/12		R/T	70 - 130 %
% Bromofluorobenzene	98		%	06/15/12		R/T	70 - 130 %
% Dibromofluoromethane	99		%	06/15/12		R/T	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	96		%	06/15/12		R/T	70 - 130 %
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
1,4-Dichlorobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	06/18/12		DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	06/18/12		DD	SW8270
2-Chlorophenol	ND	10	ug/L	06/18/12		DD	SW8270
2-Methylnaphthalene	120	5.0	ug/L	06/18/12		DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
2-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
2-Nitrophenol	ND	10	ug/L	06/18/12		DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	06/18/12		DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	06/18/12		DD	SW8270
3-Nitroaniline	ND	50	ug/L	06/18/12		DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	06/18/12		DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	06/18/12		DD	SW8270
4-Chloroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/18/12		DD	SW8270
4-Nitroaniline	ND	20	ug/L	06/18/12		DD	SW8270
4-Nitrophenol	ND	50	ug/L	06/18/12		DD	SW8270
Acetophenone	ND	5.0	ug/L	06/18/12		DD	SW8270
Aniline	ND	10	ug/L	06/18/12		DD	SW8270
Anthracene	ND	5.0	ug/L	06/18/12		DD	SW8270
Azobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
Benzidine	ND	50	ug/L	06/18/12		DD	SW8270
Benzoic acid	ND	50	ug/L	06/18/12		DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/18/12		DD	SW8270
Carbazole	ND	5.0	ug/L	06/18/12		DD	SW8270
Dibenzofuran	ND	5.0	ug/L	06/18/12		DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluoranthene	ND	5.0	ug/L	06/18/12		DD	SW8270
Fluorene	6.6	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/18/12		DD	SW8270
Isophorone	ND	5.0	ug/L	06/18/12		DD	SW8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	52	5.0	ug/L	06/18/12		DD	SW8270
Nitrobenzene	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/18/12		DD	SW8270
Phenol	ND	10	ug/L	06/18/12		DD	SW8270
Pyrene	ND	5.0	ug/L	06/18/12		DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	109		%	06/18/12		DD	15 - 130 %
% 2-Fluorobiphenyl	45		%	06/18/12		DD	15 - 130 %
% 2-Fluorophenol	75		%	06/18/12		DD	15 - 130 %
% Nitrobenzene-d5	68		%	06/18/12		DD	15 - 130 %
% Phenol-d5	73		%	06/18/12		DD	15 - 130 %
% Terphenyl-d14	113		%	06/18/12		DD	15 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthene	2.6	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Acenaphthylene	0.57	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	06/17/12		DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	06/17/12		DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	06/17/12		DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	06/17/12		DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	06/17/12		DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	06/17/12		DD	SW8270 (SIM)
Phenanthrene	5	0.050	ug/L	06/17/12		DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	06/17/12		DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	109		%	06/17/12		DD	15 - 130 %
% 2-Fluorobiphenyl	45		%	06/17/12		DD	15 - 130 %
% 2-Fluorophenol	75		%	06/17/12		DD	15 - 130 %
% Nitrobenzene-d5	68		%	06/17/12		DD	15 - 130 %
% Phenol-d5	73		%	06/17/12		DD	15 - 130 %
% Terphenyl-d14	113		%	06/17/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

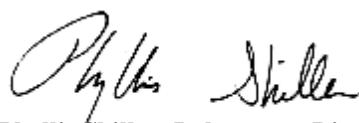
1O = This parameter is not certified by NY NELAC for this matrix.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level is equivalent to NELAC LOQ (Limit of quantitation)

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Phyllis Shiller, Laboratory Director

June 22, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

June 22, 2012

QA/QC Data

SDG I.D.: GBB97939

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 202631, QC Sample No: BB97050 (BB97939, BB97940, BB97941, BB97942, BB97943, BB97944, BB97945, BB97946)									
<u>Semivolatiles - Ground Water</u>									
1,2,4,5-Tetrachlorobenzene	ND	76	74	2.7				30 - 130	20
1,2,4-Trichlorobenzene	ND	67	66	1.5				30 - 130	20
1,2-Dichlorobenzene	ND	68	64	6.1				30 - 130	20
1,3-Dichlorobenzene	ND	66	62	6.3				30 - 130	20
1,4-Dichlorobenzene	ND	67	63	6.2				30 - 130	20
2,4,5-Trichlorophenol	ND	79	78	1.3				30 - 130	20
2,4,6-Trichlorophenol	ND	80	79	1.3				30 - 130	20
2,4-Dichlorophenol	ND	77	75	2.6				30 - 130	20
2,4-Dimethylphenol	ND	58	56	3.5				30 - 130	20
2,4-Dinitrophenol	ND	41	41	0.0				30 - 130	20
2,4-Dinitrotoluene	ND	78	73	6.6				30 - 130	20
2,6-Dinitrotoluene	ND	77	74	4.0				30 - 130	20
2-Chloronaphthalene	ND	73	70	4.2				30 - 130	20
2-Chlorophenol	ND	71	65	8.8				30 - 130	20
2-Methylnaphthalene	ND	72	69	4.3				30 - 130	20
2-Methylphenol (o-cresol)	ND	111	101	9.4				30 - 130	20
2-Nitroaniline	ND	103	98	5.0				30 - 130	20
2-Nitrophenol	ND	71	72	1.4				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	72	66	8.7				30 - 130	20
3,3'-Dichlorobenzidine	ND		N/A	N/A	NC			30 - 130	20
3-Nitroaniline	ND		>150	>150	NC			30 - 130	20
4,6-Dinitro-2-methylphenol	ND	76	75	1.3				30 - 130	20
4-Bromophenyl phenyl ether	ND	80	77	3.8				30 - 130	20
4-Chloro-3-methylphenol	ND	76	75	1.3				30 - 130	20
4-Chloroaniline	ND	106	101	4.8				30 - 130	20
4-Chlorophenyl phenyl ether	ND	81	75	7.7				30 - 130	20
4-Nitroaniline	ND	75	70	6.9				30 - 130	20
4-Nitrophenol	ND	68	67	1.5				30 - 130	20
Acenaphthene	ND	71	69	2.9				30 - 130	20
Acenaphthylene	ND	45	42	6.9				30 - 130	20
Acetophenone	ND		72	67	7.2			30 - 130	20
Aniline	ND		N/A	N/A	NC			30 - 130	20
Anthracene	ND	75	74	1.3				30 - 130	20
Azobenzene	ND	65	63	3.1				30 - 130	20
Benz(a)anthracene	ND	81	77	5.1				30 - 130	20
Benzidine	ND		N/A	N/A	NC			30 - 130	20
Benzo(a)pyrene	ND	59	55	7.0				30 - 130	20
Benzo(b)fluoranthene	ND	64	66	3.1				30 - 130	20
Benzo(ghi)perylene	ND	78	70	10.8				30 - 130	20
Benzo(k)fluoranthene	ND	70	62	12.1				30 - 130	20
Benzoic acid	ND		N/A	N/A	NC			30 - 130	20

QA/QC Data

SDG I.D.: GBB97939

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzyl butyl phthalate	ND	68	62	9.2				30 - 130	20
Bis(2-chloroethoxy)methane	ND	35	32	9.0				30 - 130	20
Bis(2-chloroethyl)ether	ND	64	60	6.5				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	65	61	6.3				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	65	61	6.3				30 - 130	20
Carbazole	ND	98	94	4.2				30 - 130	20
Chrysene	ND	83	77	7.5				30 - 130	20
Dibenz(a,h)anthracene	ND	74	66	11.4				30 - 130	20
Dibenzofuran	ND	76	73	4.0				30 - 130	20
Diethyl phthalate	ND	83	77	7.5				30 - 130	20
Dimethylphthalate	ND	82	78	5.0				30 - 130	20
Di-n-butylphthalate	ND	79	76	3.9				30 - 130	20
Di-n-octylphthalate	ND	79	76	3.9				30 - 130	20
Fluoranthene	ND	80	76	5.1				30 - 130	20
Fluorene	ND	76	74	2.7				30 - 130	20
Hexachlorobenzene	ND	77	73	5.3				30 - 130	20
Hexachlorobutadiene	ND	76	74	2.7				30 - 130	20
Hexachlorocyclopentadiene	ND	24	23	4.3				30 - 130	20
Hexachloroethane	ND	68	63	7.6				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	73	65	11.6				30 - 130	20
Isophorone	ND	69	68	1.5				30 - 130	20
Naphthalene	ND	69	66	4.4				30 - 130	20
Nitrobenzene	ND	71	67	5.8				30 - 130	20
N-Nitrosodimethylamine	ND	50	53	5.8				30 - 130	20
N-Nitrosodi-n-propylamine	ND	70	67	4.4				30 - 130	20
N-Nitrosodiphenylamine	ND	87	85	2.3				30 - 130	20
Pentachloronitrobenzene	ND	>150	>150	NC				30 - 130	20
Pentachlorophenol	ND	68	65	4.5				30 - 130	20
Phenanthrene	ND	77	74	4.0				30 - 130	20
Phenol	ND	70	64	9.0				30 - 130	20
Pyrene	ND	79	75	5.2				30 - 130	20
Pyridine	ND	13	16	20.7				30 - 130	20
% 2,4,6-Tribromophenol	109	71	70	1.4				15 - 130	20
% 2-Fluorobiphenyl	71	65	63	3.1				30 - 130	20
% 2-Fluorophenol	76	58	55	5.3				15 - 130	20
% Nitrobenzene-d5	72	67	63	6.2				30 - 130	20
% Phenol-d5	74	54	49	9.7				15 - 130	20
% Terphenyl-d14	102	82	75	8.9				30 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 202819, QC Sample No: BB97891 (BB97939, BB97940, BB97942, BB97943, BB97944, BB97945, BB97946)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	116	118	1.7	105	109	3.7	70 - 130	30
1,1,1-Trichloroethane	ND	81	87	7.1	71	73	2.8	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	91	90	1.1	84	88	4.7	70 - 130	30
1,1,2-Trichloroethane	ND	99	101	2.0	86	92	6.7	70 - 130	30
1,1-Dichloroethane	ND	81	87	7.1	74	76	2.7	70 - 130	30
1,1-Dichloroethene	ND	76	84	10.0	72	75	4.1	70 - 130	30
1,1-Dichloropropene	ND	90	93	3.3	86	89	3.4	70 - 130	30
1,2,3-Trichlorobenzene	ND	96	97	1.0	87	91	4.5	70 - 130	30
1,2,3-Trichloropropane	ND	97	98	1.0	86	92	6.7	70 - 130	30
1,2,4-Trichlorobenzene	ND	96	93	3.2	88	92	4.4	70 - 130	30

QA/QC Data

SDG I.D.: GBB97939

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2,4-Trimethylbenzene	ND	100	101	1.0	92	96	4.3	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	94	101	7.2	88	93	5.5	70 - 130	30
1,2-Dibromoethane	ND	101	98	3.0	91	94	3.2	70 - 130	30
1,2-Dichlorobenzene	ND	93	94	1.1	86	91	5.6	70 - 130	30
1,2-Dichloroethane	ND	101	100	1.0	91	95	4.3	70 - 130	30
1,2-Dichloropropane	ND	91	93	2.2	84	90	6.9	70 - 130	30
1,3,5-Trimethylbenzene	ND	100	99	1.0	91	95	4.3	70 - 130	30
1,3-Dichlorobenzene	ND	97	98	1.0	90	94	4.3	70 - 130	30
1,3-Dichloropropane	ND	99	99	0.0	89	91	2.2	70 - 130	30
1,4-Dichlorobenzene	ND	96	96	0.0	91	96	5.3	70 - 130	30
2,2-Dichloropropane	ND	50	53	5.8	43	44	2.3	70 - 130	30
2-Chlorotoluene	ND	92	92	0.0	87	90	3.4	70 - 130	30
2-Hexanone	ND	92	94	2.2	83	88	5.8	70 - 130	30
2-Isopropyltoluene	ND	94	95	1.1	88	93	5.5	70 - 130	30
4-Chlorotoluene	ND	91	91	0.0	89	91	2.2	70 - 130	30
4-Methyl-2-pentanone	ND	94	93	1.1	83	86	3.6	70 - 130	30
Acetone	ND	95	106	10.9	83	89	7.0	70 - 130	30
Acrylonitrile	ND	87	93	6.7	77	80	3.8	70 - 130	30
Benzene	ND	95	96	1.0	91	98	7.4	70 - 130	30
Bromobenzene	ND	95	95	0.0	88	91	3.4	70 - 130	30
Bromochloromethane	ND	86	93	7.8	77	81	5.1	70 - 130	30
Bromodichloromethane	ND	97	98	1.0	88	91	3.4	70 - 130	30
Bromoform	ND	132	130	1.5	119	127	6.5	70 - 130	30
Bromomethane	ND	73	83	12.8	65	77	16.9	70 - 130	30
Carbon Disulfide	ND	71	78	9.4	71	74	4.1	70 - 130	30
Carbon tetrachloride	ND	90	92	2.2	83	86	3.6	70 - 130	30
Chlorobenzene	ND	99	101	2.0	95	97	2.1	70 - 130	30
Chloroethane	ND	70	80	13.3	68	77	12.4	70 - 130	30
Chloroform	ND	85	90	5.7	74	76	2.7	70 - 130	30
Chloromethane	ND	62	63	1.6	60	60	0.0	70 - 130	30
cis-1,2-Dichloroethylene	ND	83	89	7.0	74	76	2.7	70 - 130	30
cis-1,3-Dichloropropene	ND	85	86	1.2	81	85	4.8	70 - 130	30
Dibromochloromethane	ND	103	104	1.0	93	98	5.2	70 - 130	30
Dibromomethane	ND	96	95	1.0	88	92	4.4	70 - 130	30
Dichlorodifluoromethane	ND	53	59	10.7	61	61	0.0	70 - 130	30
Ethylbenzene	ND	109	115	5.4	103	107	3.8	70 - 130	30
Hexachlorobutadiene	ND	88	88	0.0	79	86	8.5	70 - 130	30
Isopropylbenzene	ND	94	96	2.1	88	93	5.5	70 - 130	30
m&p-Xylene	ND	109	110	0.9	102	104	1.9	70 - 130	30
Methyl ethyl ketone	ND	86	74	15.0	67	68	1.5	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	90	90	0.0	82	87	5.9	70 - 130	30
Methylene chloride	ND	74	79	6.5	67	70	4.4	70 - 130	30
Naphthalene	ND	98	100	2.0	90	95	5.4	70 - 130	30
n-Butylbenzene	ND	92	94	2.2	84	88	4.7	70 - 130	30
n-Propylbenzene	ND	89	92	3.3	88	92	4.4	70 - 130	30
o-Xylene	ND	107	108	0.9	98	102	4.0	70 - 130	30
p-Isopropyltoluene	ND	99	100	1.0	89	92	3.3	70 - 130	30
sec-Butylbenzene	ND	93	95	2.1	88	92	4.4	70 - 130	30
Styrene	ND	126	124	1.6	115	120	4.3	70 - 130	30
tert-Butylbenzene	ND	94	95	1.1	88	93	5.5	70 - 130	30
Tetrachloroethene	ND	92	94	2.2	87	92	5.6	70 - 130	30
Tetrahydrofuran (THF)	ND	84	85	1.2	73	74	1.4	70 - 130	30
Toluene	ND	95	97	2.1	87	91	4.5	70 - 130	30

QA/QC Data

SDG I.D.: GBB97939

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
trans-1,2-Dichloroethene	ND	80	85	6.1	74	77	4.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	88	89	1.1	83	87	4.7	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	70	69	1.4	67	71	5.8	70 - 130	30	
Trichloroethene	ND	95	98	3.1	90	94	4.3	70 - 130	30	
Trichlorofluoromethane	ND	77	87	12.2	68	69	1.5	70 - 130	30	
Trichlorotrifluoroethane	ND	73	82	11.6	65	66	1.5	70 - 130	30	
Vinyl chloride	ND	66	73	10.1	69	69	0.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	99	98	1.0	95	98	3.1	70 - 130	30	
% Bromofluorobenzene	96		101	1.0	99	97	2.0	70 - 130	30	
% Dibromofluoromethane	96		88	92	4.4	82	80	2.5	70 - 130	30
% Toluene-d8	97		99	97	2.0	98	96	2.1	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 202952, QC Sample No: BB98339 (BB97941, BB97945 (5X) , BB97946 (10X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	123	107	13.9			70 - 130	30
1,1,1-Trichloroethane	ND	86	72	17.7			70 - 130	30
1,1,2,2-Tetrachloroethane	ND	93	86	7.8			70 - 130	30
1,1,2-Trichloroethane	ND	99	95	4.1			70 - 130	30
1,1-Dichloroethane	ND	85	75	12.5			70 - 130	30
1,1-Dichloroethene	ND	86	72	17.7			70 - 130	30
1,1-Dichloropropene	ND	105	89	16.5			70 - 130	30
1,2,3-Trichlorobenzene	ND	100	90	10.5			70 - 130	30
1,2,3-Trichloropropane	ND	104	97	7.0			70 - 130	30
1,2,4-Trichlorobenzene	ND	102	92	10.3			70 - 130	30
1,2,4-Trimethylbenzene	ND	114	98	15.1			70 - 130	30
1,2-Dibromo-3-chloropropane	ND	99	95	4.1			70 - 130	30
1,2-Dibromoethane	ND	99	94	5.2			70 - 130	30
1,2-Dichlorobenzene	ND	101	91	10.4			70 - 130	30
1,2-Dichloroethane	ND	102	94	8.2			70 - 130	30
1,2-Dichloropropane	ND	99	88	11.8			70 - 130	30
1,3,5-Trimethylbenzene	ND	116	100	14.8			70 - 130	30
1,3-Dichlorobenzene	ND	108	95	12.8			70 - 130	30
1,3-Dichloropropane	ND	103	93	10.2			70 - 130	30
1,4-Dichlorobenzene	ND	109	95	13.7			70 - 130	30
2,2-Dichloropropane	ND	87	74	16.1			70 - 130	30
2-Chlorotoluene	ND	107	92	15.1			70 - 130	30
2-Hexanone	ND	94	89	5.5			70 - 130	30
2-Isopropyltoluene	ND	109	93	15.8			70 - 130	30
4-Chlorotoluene	ND	105	91	14.3			70 - 130	30
4-Methyl-2-pentanone	ND	92	87	5.6			70 - 130	30
Acetone	ND	95	89	6.5			70 - 130	30
Acrylonitrile	ND	83	80	3.7			70 - 130	30
Benzene	ND	113	114	0.9			70 - 130	30
Bromobenzene	ND	102	93	9.2			70 - 130	30
Bromochloromethane	ND	86	77	11.0			70 - 130	30
Bromodichloromethane	ND	100	90	10.5			70 - 130	30
Bromoform	ND	131	122	7.1			70 - 130	30
Bromomethane	ND	86	72	17.7			70 - 130	30
Carbon Disulfide	ND	83	70	17.0			70 - 130	30
Carbon tetrachloride	ND	101	86	16.0			70 - 130	30
Chlorobenzene	ND	108	95	12.8			70 - 130	30

QA/QC Data

SDG I.D.: GBB97939

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chloroethane	ND	80	63	23.8				70 - 130	30
Chloroform	ND	86	76	12.3				70 - 130	30
Chloromethane	ND	60	51	16.2				70 - 130	30
cis-1,2-Dichloroethene	ND	88	77	13.3				70 - 130	30
cis-1,3-Dichloropropene	ND	98	89	9.6				70 - 130	30
Dibromochloromethane	ND	108	97	10.7				70 - 130	30
Dibromomethane	ND	97	90	7.5				70 - 130	30
Dichlorodifluoromethane	ND	58	48	18.9				70 - 130	30
Ethylbenzene	ND	125	108	14.6				70 - 130	30
Hexachlorobutadiene	ND	100	84	17.4				70 - 130	30
Isopropylbenzene	ND	112	96	15.4				70 - 130	30
m&p-Xylene	ND	125	104	18.3				70 - 130	30
Methyl ethyl ketone	ND	74	70	5.6				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	92	87	5.6				70 - 130	30
Methylene chloride	ND	73	68	7.1				70 - 130	30
Naphthalene	ND	103	96	7.0				70 - 130	30
n-Butylbenzene	ND	111	94	16.6				70 - 130	30
n-Propylbenzene	ND	108	92	16.0				70 - 130	30
o-Xylene	ND	119	101	16.4				70 - 130	30
p-Isopropyltoluene	ND	118	100	16.5				70 - 130	30
sec-Butylbenzene	ND	110	93	16.7				70 - 130	30
Styrene	ND	130	116	11.4				70 - 130	30
tert-Butylbenzene	ND	108	92	16.0				70 - 130	30
Tetrachloroethene	ND	110	92	17.8				70 - 130	30
Tetrahydrofuran (THF)	ND	77	71	8.1				70 - 130	30
Toluene	ND	106	91	15.2				70 - 130	30
trans-1,2-Dichloroethene	ND	87	76	13.5				70 - 130	30
trans-1,3-Dichloropropene	ND	99	92	7.3				70 - 130	30
trans-1,4-dichloro-2-butene	ND	97	94	3.1				70 - 130	30
Trichloroethene	ND	108	94	13.9				70 - 130	30
Trichlorofluoromethane	ND	84	70	18.2				70 - 130	30
Trichlorotrifluoroethane	ND	84	72	15.4				70 - 130	30
Vinyl chloride	ND	75	62	19.0				70 - 130	30
% 1,2-dichlorobenzene-d4	99	96	99	3.1				70 - 130	30
% Bromofluorobenzene	93		98	98	0.0			70 - 130	30
% Dibromofluoromethane	80		80	81	1.2			70 - 130	30
% Toluene-d8	96		96	0.0				70 - 130	30

QA/QC Batch 203125, QC Sample No: BB99678 (BB97946 (10X))

Volatiles - Ground Water

1,2,4-Trimethylbenzene	ND	100	96	4.1	114	103	10.1	70 - 130	30
Naphthalene	ND	97	102	5.0	109	106	2.8	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 203129, QC Sample No: BC00356 (BB97943 (20X))

Volatiles - Ground Water

Naphthalene	ND	96	110	13.6	128	131	2.3	70 - 130	30	m
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I = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

QA/QC Data

SDG I.D.: GBB97939

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
June 22, 2012

Sample Criteria Exceedences Report

GBB97939

SampNo	LocCode	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
*** No Data to Display ***									

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Customer: Miller Environmental Group Inc.
Address: 538 Edwards Avenue
Calverton, NY 11933

Project: USDIHS - Plum Island
Report to: Dave REARDON
Invoice to: Dave REARDON

Temp	45	Pg	of
Data Delivery (check one):			
<input type="checkbox"/>	Fax #:	<hr/>	
<input type="checkbox"/>	Email:	<hr/>	
Format:		<input type="checkbox"/> Excel	<input type="checkbox"/> Pdf
		<input type="checkbox"/> Gis Key	
Project P.O:		<u>m11 0489</u>	
Phone #:		<u>631-369-4900</u>	
Fax #:		<u>631-369-4909</u>	

Client Sample - Information - Identification

Sampler's
Signature *Tina Cline* Date 6/12/12

Analysis Request

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=other
GW=groundwater SI=sludge A=air

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
97939	PI 30	CW	6/12/12	AM
97940	PI 8			AM
97941	PI 27			AM
97942	PI 26			AM
97943	PI 24			AM
97944	PI 29			AM
97945	PI 21			AM
97946	PI 37			PM

Relinquished by:

Accepted by:

Date

Time

Turnaround:

- 1 Day*
 - 2 Days*
 - 3 Days*
 - Standard
 - Other

Requirements for CT

- Res. Criteria
 - GW Protection
 - GA Mobility
 - GB Mobility
 - SW Protection
 - Res. Vol.
 - Ind. Vol.

Requirements for MA

- GW-1
 - GW-2
 - GW-3
 - S-1
 - S-2
 - S-3
 - MCP Certification
 - Other

Comments, Special Requirements or Regulations:

APPENDIX B

Monthly Monitoring Reports

Monthly Well Monitoring Form

Date: April 18, 2013Crew: PamperStart Time: 0800

End Time:

Well Number	Time	DTP (in feet)	DTW (in feet)	PT (in feet)	Suspended Solids	Clarity	Odor	Comments
PI-6	AM	1740			NONE	clear	NONE	
PI-8	AM	1621			NONE	clear	NONE	
PI-13	AM	1646			lite	TINT	NONE	lite Iron tint
PI-14	AM	1740			NONE	clear	NONE	
PI-15	AM	1799			NONE	clear	NONE	
PI-18	AM	1793			NONE	clear	NONE	
PI-20	AM	1758			NONE	IRON	NONE	very lite Iron tint
PI-21	AM	1310			NONE	clear	NONE	
PI-24	AM	1229			NONE	clear	NONE	
PI-26	AM	1737			NONE	clear	NONE	
PI-27	AM	1526			NONE	clear	NONE	
PI-28	AM	1590			NONE	clear	NONE	
PI-29	AM	1725			NONE	clear	NONE	
PI-30	AM	1626			NONE	clear	NONE	
PI-31R	AM	1584			NONE	clear	NONE	
PI-32	AM	1656			NONE	clear	NONE	
PI-37	AM	1307			NONE	clear	NONE	
PI-38	AM	1784			lite	IRON	NONE	lite Iron tint
PI-39	AM	1639	TRACE					absorbants in well
MW-100	AM	1391			NONE	clear	NONE	
MW-101	AM	1803			NONE	clear	NONE	
MW-103	PM	1676	16.79	.03	BENTONITE	clear	NONE	
MW-104	AM	1753			NONE	clear	NONE	
MW-105	AM	1690	16.96		SPILL BENTONITE	- 1 1/2" produced down		
MW-106	PM	1703	17.09	.06	SPILL BENTONITE	- 6 3/4" produced down		
MW-108	AM	1377			NONE	clear	NONE	
MW-109	AM	1679			NONE	clear	NONE	
PI-12 (old)	AM	1371	13.79	.08	PNEU	Pump in well		
PI-12 (new)	AM	1375	13.81	.06	PNEU	Pump in well		
PI-33	AM	1294			NONE	clear	NONE	
PI-34	AM	1287			lite	clear	NONE	removed absorbants
PI-35	AM	1266			PNEU	Pump in well	NONE	no rods
PI-36	AM	1255			NONE	clear	NONE	
PI-39	AM	1393			lite	clear	NONE	removal of absorbants
PI-11	AM	1317	13.91	.74	XIBEL	Pump in well		
PI-07	AM	1290			PNEU	Pump in well		
PI-32	AM	1257			NONE	clear	NONE	
PI-10	AM	1319			NONE	clear	NONE	
PI-09	AM	1258	12.69	.01	NONE	clear	NONE	absorbants in well
PI-23	AM	1160			NONE	clear	NONE	

Codes/Abbreviations:

NA = Non Applicable

For Suspended Solids: Light (L); Medium (M); or Heavy (H)

ND = Non Detectable

For Clarity: Color; Tint; etc.

MW = Monitoring Well

For Odor: Oil, Gas, etc.

RW = Recovery Well (shaded)

T = Trace

Recovery well

17.37 TRACE

Monthly Well Monitoring Form

Date: May 29, 2012Crew: T. CameronStart Time: 0800End Time: 1300

Well Number	Time	DTP (in feet)	DTW (in feet)	PT (in feet)	Suspended Solids	Clarity	Odor	Comments
PI-6	AM	17.35			None	CLEAR	NONE	
PI-8	AM	16.18			None	CLEAR	NONE	
PI-13	AM	15.82			med	IRON	NONE	SUSPENDED IRON
PI-14	AM				UNDER CONSTRUCTION AREA - FENCE OFF			
PI-15	AM	17.49			NONE	CLEAR	NONE	
PI-18	AM	17.62			NONE	CLEAR	NONE	
PI-20	AM	17.13			NONE	CLEAR	NONE	
PI-21	AM	12.66			NONE	CLEAR	NONE	
PI-24	AM	12.33			NONE	CLEAR	NONE	
PI-26	AM	17.38			NONE	CLEAR	NONE	
PI-27	AM	15.63			NONE	CLEAR	NONE	
PI-28	AM	15.45			NONE	CLEAR	NONE	
PI-29	AM	17.44			NONE	CLEAR	NONE	
PI-30	AM	15.70			NONE	CLEAR	NONE	
PI-31R	AM	14.42			NONE	BLACK	NONE	
PI-32	AM	15.78			NONE	CLEAR	NONE	
PI-37	AM	13.08			NONE	CLEAR	NONE	
PI-38	AM	17.61			NONE	IRON	NONE	Light Iron tint
PI-39	AM	16.57			NONE	CLEAR	NONE	
MW-100	AM	13.30			Light	IRON	NONE	SUSPENDED IRON
MW-101	AM	17.99	18.02	.03	placed ABSORBENTS in well			
MW-103	PM	16.68	16.72	.04	Belt Skimmer	20 1/2" Prod Drum		
MW-104	AM	17.29			NONE	CLEAR	NONE	removed ABSORBENTS
MW-105	PM	16.76	16.86	.10	SPILL BUSTER	3 1/2" Prod Drum		
MW-106	PM	16.80	16.86	.06	SPILL BUSTER	7 3/4" Prod Drum		
MW-108	AM	13.28			NONE	Black	NONE	
MW-109	AM	16.90			NONE	CLEAR	NONE	
PI-12 (old)	AM	13.88	13.91	.03	Pneumatic Pump	IN WELL		
PI-12 (new)	PM	13.91	14.00	.09	Pneumatic Pump	IN WELL		
PI-33	AM	12.88	12.89	.01	placed ABSORBENTS	IN WELL		
PI-34	AM	12.50	12.65	.15	placed ABSORBENTS	IN WELL		
PI-35	AM	12.96	13.09	.13	Pneumatic Pump	IN WELL		
PI-36	AM	12.20			NONE	IRON	NONE	Light Iron tint
PI-19	AM	14.04			NONE	CLEAR	NONE	removed ABSORBENTS
PI-11	AM	13.40	14.14	.74	BAKED WELL	- ABSORBENTS		
PI-07	AM	13.20	13.25	.05	Pneumatic Pump	IN WELL		
PI-22	AM	12.34			NONE	Black	NONE	
PI-10	AM	12.96			med	CLEAR	NONE	SUSPENDED SOLIDS
PI-09	AM	12.71	TRACE		placed ABSORBENTS	IN WELL		
PI-23	AM	11.44			med	CLEAR	NONE	SUSPENDED SOLIDS

Codes/Abbreviations:

NA = Non Applicable

ND = Non Detectable

MW = Monitoring Well

RW = Recovery Well (shaded)

T = Trace

For Suspended Solids: Light (L); Medium (M); or Heavy (H)

For Clarity: Color, Tint; etc.

For Odor: Oil, Gas, etc.

Rec well

17.67 - TRACE

Monthly Well Monitoring Form

Date: 6/25/2012 Crew: T. Amerson
 Start Time: 074000 Murchison and Longfellow
 End Time: 1315

Well Number	Time	DTP (in feet)	DTW (in feet)	PT (in feet)	Suspended Solids	Clarity	Odor	Comments
PI-6	Am	12.31			NONE	CLEAR	NONE	
PI-8	Am	16.65			NONE	CLEAR	NONE	
PI-13	Am	16.09			LITE	MEAR	NONE	lite susp. iron
PI-14	Am	12.11			NONE	CLEAR	NONE	
PI-15	Am	17.69			NONE	CLEAR	NONE	
PI-18	Am	12.92			LITE	CLEAR	NONE	lite susp. iron
PI-20	Am	17.28			NONE	CLEAR	NONE	
PI-21	Am	12.90			NONE	CLEAR	NONE	
PI-24	Am	0.61			NONE	CLEAR	NONE	
PI-26	Am	17.72			NONE	CLEAR	NONE	
PI-27	Am	15.65			NONE	CLEAR	NONE	
PI-28	Am	15.81	15.82	.01	REMOVED PROB SODA BISACONATE - REPLACED			
PI-29	Am	17.43			NONE	CLEAR	NONE	
PI-30	Am	15.90			NONE	CLEAR	NONE	
PI-31R	Am	14.98			NONE	CLEAR	NONE	
PI-32	Am	16.11			NONE	CLEAR	NONE	
PI-37	Am	13.09			NONE	CLEAR	NONE	
PI-38	Am	12.69			NONE	CLEAR	NONE	
PI-39	Am	12.31	16.37	.02	PLACED ABSORBENTS IN WELL			
MW-100	Am	13.53			LITE	CLEAR	NONE	lite susp. IRON
MW-101	Am	18.17			NONE	CLEAR	NONE	REMOVED ABSORBENTS
MW-103	Am	16.52	16.64	.11	BELT STRAINER 24 1/2" PHOS DRAIN			
MW-104	Am	17.10			NONE	CLEAR	NONE	
MW-105	Am	16.33	16.78	.05	SPILL BUSTER 4 1/2" PROB DRAIN			
MW-106	Am	16.79	16.88	.09	SPILL BUSTER 7 3/4" PROB DRAIN			
MW-108	Am	13.36			NONE	CLEAR	NONE	
MW-109	Am	16.98			NONE	CLEAR	NONE	
PI-12 (old)	Pm	13.46	13.54	.08	PNEU PUMP			
PI-12 (new)	Pm	13.50	13.55	.05	PNEU PUMP			
PI-33	Am	12.80			NONE	CLEAR	NONE	
PI-34	Pm	11.15			NONE	Cloudy	NONE	Cloudy water
PI-35	Pm	12.49	12.54	.05	PNEU PUMP			
PI-36	Am	12.16			LITE	CLEAR	NONE	lite susp. IRON
PI-39	Pm	13.64	13.65	.01	PLACED ABSORBENTS IN WELL			
PI-41	Pm	13.06			RARE	REMOVED PROB SODA BISACONATE - REPLACED		
PI-07	Pm	12.55	12.61	.06	PNEU PUMP			
PI-22	Am	12.37			NONE	CLEAR	NONE	
PI-10	Am	12.92			NONE	CLEAR	NONE	
PI-09	Am	13.09			NONE	CLEAR	NONE	removed lite absorbents
PI-23	Am	11.66			LITE	CLEAR	NONE	lite susp. solids

Rec Well Pm
Code Abbreviations:

1718 TRACE

NA = Non Applicable

For Suspended Solids: Light (L); Medium (M); or Heavy (H)

ND = Non Detectable

For Clarity: Color; Tint; etc.

MW = Monitoring Well

For Odor: Oil, Gas, etc.

RW = Recovery Well (shaded)

T = Trace

APPENDIX C

Bi-Weekly System Maintenance and Inspection Sheets

Bi-Weekly Site Visit Data Sheet

Date: April 10 2012

Technician: T Cameron

TANK LEVELS (Pre-Decanting)

Total Liquids: 587 gallons

Oil Volume: 308 gallons

Water Volume: 279 gallons

WEATHER NOTES:

Cloudy - Little Breeze

TANK LEVELS (Post-Decanting*)

Water Volume: 135 gallons

Post Decant Levels Total 248
Prod 113 - Water 135

* Wells Used for Decanting: PI-6/PI-20

Well	BTP	DTW	PT	Pump Status		LNAPL recovered by:	Work performed/Observations
				Arrival	Departure		
12 New	13.93	13.97	.04	on off	on off	PNEU	Working well - minimal product
12 old	13.92	14.01	.09	on off	on off	PNEU	Working well - minimal product
PI 35		12.90		on off	on off	PNEU	No Product
PI 7	13.13	13.16	.03	on off	on off	PNEU	Working well minimal product
PI 11	13.23	13.80	.57	on off	on off	Zibach	Bailed well
Recovery well		13.00		on off	on off		No Product - Develop?
106	16.81	16.87	.06	on off	on off	Spill Buster	Working well emptied Prod Drum 21"
106	16.95	17.03	.08	on off	on off	Spill Buster	Working well 6 1/2" Prod Drum
103	16.73	16.78	.05	on off	on off	Belt Skimmer	Working well 6 1/4" Prod Drum
104		17.33		on off	on off		No Product
34		18.52	TRACE	on off	on off		TRACE - ABSORBANTS in well
33		18.79		on off	on off		No Product
19	13.84	13.86	.02	on off	on off		Minimal Product ABSORBANTS in well
39		16.38		on off	on off		removed lightly stained ABSORBANTS

Use additional sheets if needed

1 - Method of LNAPL recovery - LNAPL recovered by Skimmer, pneumatic pump, Spill Buster, nad bail, other?

Notes: Pumped 84 Gals water (3) Gals present - assisted Plum Employee pump empty (4) Jugs of fuel from Tank & empty prod drum at min 105 - 2 1/4" - Decanted 140 Gals water - (Hauled Pump mil - Post tank - water 135 - Prod 113 Total 248 Gals

Monthly Above Ground Storage Tank Inspection Checklist

Date: April 10 2012

S/T: Cameron

<u>Items to Be Check:</u>	<u>Response</u>	<u>Items to Be Check:</u>	<u>Response</u>
<u>Tank Shells and Roof:</u>		<u>Piping:</u>	
Discoloration	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	Corrosion	Y <input checked="" type="radio"/> N <input type="radio"/> U <input type="radio"/> NA <input type="radio"/>
Corrosion	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	Paint	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>
Cracks	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	Supports	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>
Bulging	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	High Level Alarm Condition/Operability*	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>
<u>Foundation:</u>		Leak Detection System Condition/Operability*	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>
Cracking of Ringwall (If Applicable)	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	Tank Labels	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>
Uneven Settlement	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	Fuel Gauge Operational and Readable	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>
Loosened Anchor Bolts	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	* Must Be Tested by Manual Activation	
Stained	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	<u>Signage:</u>	
Condition of Concrete Pad and Legs	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>	No Smoking, Engine Off	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>

Symbols: Y = Yes; N = No; S = Satisfactory; U = Unsatisfactory; NA=Not Applicable

(Note: The Underlined Symbol Is the Anticipated Response)

TANK INSPECTION LOG DAY/MONTH/YEAR 4/10/12

Remediation System Checklist

Description	Period	Checked (Y/N)	Comments
Complete tank inspection checklist	Monthly	✓	APSL
Gauge product and water level in tank	Each Visit	✓	Pumped off Feb - Decanting
Inspect the tank secondary containment dike	Each Visit	✓	Dry
Inspect fill boxes and product recovery lines on top of tank	Each Visit	✓	
Test high level and high-high level floats in tank	Quarterly	n/a	
Test low-pressure alarm	Quarterly	✓	Checking at oil change
Check pressure regulators in bldg. for each leg (set at 100 psi)	Each Visit	✓	93 - 96
Check that air dryer is cycling between towers	Each Visit	✓	
Check pressure on operating tower in air dryer (>100 psi)	Each Visit	✓	
Check pre-filter and after-filter indicators on air dryer	Each Visit	✓	
Check operating cycle of air compressor (130-170 psi)	Each Visit	✓	
Check oil level in compressor and add as necessary	Each Visit	n/a	
Change oil in compressor	Every 2 Months	✓	Change
Drain compressor tank, using manual override on auto-drain	Each Visit	✓	
Inspect the air lines for moisture	Quarterly	n/a	
Check pressure reading in each well box (>50psi, <90 psi)	Each Visit	✓	
Check clear hose in each well box to ensure product recovery	Each Visit	✓	
Gauge product and water level in each well	Each Visit	✓	
Check skimmer operation	Each Visit	✓	
Check Spill Buster operation	Each Visit	✓	
Check fluid levels in drums	Per Event	✓	Pumped off MW 105

Technician: Cameron

Date: 4/10/2012

Bi-Weekly Site Visit Data Sheet

Date: APRIL 26 2012

Technician: T Cameros

TANK LEVELS (Pre-Decanting)

Total Liquids: 540 gallons

Oil Volume: 114 gallons

Water Volume: 426 gallons

WEATHER NOTES:

SUN, clouds, cool

TANK LEVELS (Post-Decanting*)

Water Volume: 146 gallons

* Wells Used for Decanting: PI-6/PI-20

Well	DTP	DTW	PT	Pump Status		'LNAPL recovered by:	Work performed/Observations
				Arrival	Departure		
12 new	13.96	14.00	.04	on off	on off	pneu pump	minimal product
12 O.D.	13.88	14.41	.53	on off	on off	pneu pump	DEVELOP - change filter - cleaned screens - lowered pump
35	12.97			on off	on off	pneu pump	no product
11	13.29	13.85	.56	on off	on off	Ztech	frozen pump, Basled well
7	13.12	13.32	.20	on off	on off	pneu pump	flipping float
105	16.80	16.86	.06	on off	on off	SOUL BUSTER	working well - 2" Product down
106	16.82	16.96	.14	on off	on off	SOUL BUSTER	working well 6" Product down
103	16.62	16.63	.01	on off	on off	Beth Skimmer	working well 8" Product down
R WELL	17.70	TRACE		on off	on off		trace - minimal product
34	12.48			on off	on off		no product
33	12.91			on off	on off		no product
104	17.17			on off	on off		no product
19	14.02			on off	on off		no product
39	16.55	TRACE		on off	on off		removed lightly stained absorbents

Use additional sheets if needed

I - Method of LNAPL recovery - LNAPL recovered by Skimmer, pneumatic pump, Spill Buster, nad bail, other?

Notes: EXCESS water from fw development - Decanted 280 Gallons - Gained minimal product. Brought Ztech pumps back to be returned

Remediation System Checklist

Description	Period	Checked (Y/N)	Comments
Complete tank inspection checklist	Monthly	N/a	
Gauge product and water level in tank	Each Visit	✓	
Inspect the tank secondary containment dike	Each Visit	✓	
Inspect fill boxes and product recovery lines on top of tank	Each Visit	✓	
Test high level and high-high level floats in tank	Quarterly	N/a	
Test low-pressure alarm	Quarterly	N/a	
Check pressure regulators in bldg. for each leg (set at 100 psi)	Each Visit	✓	
Check that air dryer is cycling between towers	Each Visit	✓	
Check pressure on operating tower in air dryer (>100 psi)	Each Visit	✓	
Check pre-filter and after-filter indicators on air dryer	Each Visit	✓	
Check operating cycle of air compressor (130-170 psi)	Each Visit	✓	
Check oil level in compressor and add as necessary	Each Visit	✓	
Change oil in compressor	Every 2 Months	N/A	
Drain compressor tank using manual override on auto-drain	Each Visit	✓	
Inspect the air lines for moisture	Quarterly	N/A	
Check pressure reading in each well box (>50psi, <90 psi)	Each Visit	✓	
Check clear hose in each well box to ensure product recovery	Each Visit	✓	
Gauge product and water level in each well	Each Visit	✓	
Check skimmer operation	Each Visit	✓	
Check Spill Bister operation	Each Visit	✓	
Check fluid levels in drums	Per Event	✓	

Technician: T Cameron

Date: April 26 2012

Bi-Weekly Site Visit Data Sheet

Date: MAY 11 2012

Technician: T. Amerson

TANK LEVELS (Pre-Decanting)

Total Liquids: 317 gallons

Oil Volume: 115 gallons

Water Volume: 202 gallons

TANK LEVELS (Post-Decanting*)

Water Volume: — gallons

* Wells Used for Decanting: PI-6/PI-20

WEATHER NOTES:

Sun - Clouds - Breezy - 60°

much rain during week prior to visit

Well	DTP	DTW	PT	Pump Status		'LNAPL recovered by:	Work performed/Observations
				Arrival	Departure		
12 Npw	13.96	13.98	.02	on off	on off	Pneu pump	Working LNWELL - minimal product
12 Old	13.84	14.76	.92	on off	on off	Pneu pump	UPPER AND LOWER shot - reported upflow - BAILED WELL
11	13.48	14.08	.60	on off	on off	Bailex	BAILEX WELL - NEED PUMP
# 35	12.91	13.13	.22	on off	on off	pneu pump	Pumping Prod slowly
7	13.24	13.41	.17	on off	on off	pneu pump	Prod line full - working well
105	16.72	16.78	.06	on off	on off	Spill Buster	minimal product 2 3/4" Prod Drum
106	16.39	16.47	.08	on off	on off	Spill Buster	7 1/2" Prod Drum working well
103	16.27	16.29	.01	on off	on off	Sp Skimmer	working well 11 3/4" Prod Drum
34	12.09	12.17	.08	on off	on off		UNUSUAL amt feed in well - A 3 Solvents
33	12.73	12.75	.02	on off	on off		placed Absorbants in well
104		16.84		on off	on off		NO Product
19		13.97		on off	on off		NO Product
39	16.48	16.50	.02	on off	on off		minimal Prod - Absorbants in well
PI Well 1	17.74	17.75	.01	on off	on off		minimal Product

Use additional sheets if needed

1 - Method of LNAPL recovery - LNAPL recovered by Skimmer, pneumatic pump, Spill Buster, nad bail, other?

Notes: ONLY 4 Pumps on Pneumatic System - pumped minimal amt of product - APPAREL UPFLOW ON 12 OLD - NEED PUMP FOR PI 11 - 103 GAINED 3 3/4" PROD DRUM 106 - 1 1/2" - 105 3/4"

Monthly Above Ground Storage Tank Inspection Checklist

Date: May 11, 2012

S/T: Cameron

<u>Items to Be Check:</u>	<u>Response</u>	<u>Items to Be Check:</u>	<u>Response</u>
<u>Tank Shells and Roof:</u>		<u>Piping:</u>	
Discoloration	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	Corrosion	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>
Corrosion	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	Paint	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>
Cracks	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	Supports	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>
Bulging	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	High Level Alarm Condition/Operability*	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>
		Leak Detection System Condition/Operability*	S <input checked="" type="radio"/> U <input type="radio"/> NA <input checked="" type="radio"/>
<u>Foundation:</u>		Tank Labels	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>
Cracking of Ringwall (If Applicable)	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	Fuel Gauge Operational and Readable	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>
Uneven Settlement	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	* Must Be Tested by Manual Activation	
Loosened Anchor Bolts	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>		
Stained	Y <input checked="" type="radio"/> N <input type="radio"/> NA <input type="radio"/>	<u>Signage:</u>	
Condition of Concrete Pad and Legs	S <input checked="" type="radio"/> U <input type="radio"/> NA <input type="radio"/>	No Smoking, Engine Off	Y <input type="radio"/> N <input checked="" type="radio"/>

Symbols: Y = Yes; N = No; S = Satisfactory; U = Unsatisfactory; NA=Not Applicable

(Note: The Underlined Symbol Is the Anticipated Response)

TANK INSPECTION LOG DAY/MONTH/YEAR 5/11/12

Note: Copy of completed checklist must be provided to Environmental Protection Specialist by the first of the next month for official records.

Remediation System Checklist

Description	Period	Checked (Y/N)	Comments
Complete tank inspection checklist	Monthly	✓	May
Gauge product and water level in tank	Each Visit	✓	
Inspect the tank secondary containment dike	Each Visit	✓	
Inspect fill boxes and product recovery lines on top of tank	Each Visit	✓	
Test high level and high-high level floats in tank	Quarterly	✓	checked 5/11/12
Test low-pressure alarm	Quarterly	n/a	
Check pressure regulators in bldg. for each leg (set at 100 psi)	Each Visit	✓	91 - 95
Check that air dryer is cycling between towers	Each Visit	✓	
Check pressure on operating tower in air dryer (>100 psi)	Each Visit	✓	
Check pre-filter and after-filter indicators on air dryer	Each Visit	✓	
Check operating cycle of air compressor (130-170 psi)	Each Visit	✓	
Check oil level in compressor and add as necessary	Each Visit	✓	600S
Change oil in compressor	Every 2 Months	n/a	
Drain compressor tank using manual override on auto-drain	Each Visit	✓	
Inspect the air lines for moisture	Quarterly	n/a	
Check pressure reading in each well box (>50psi, <90 psi)	Each Visit	✓	
Check clear hose in each well box to ensure product recovery	Each Visit	✓	
Gauge product and water level in each well	Each Visit	✓	
Check skimmer operation	Each Visit	✓	
Check Spill Bister operation	Each Visit	✓	
Check fluid levels in drums	Per Event	✓	

Technician:

T. Cameron

Date:

5/11/2012

Bi-Weekly Site Visit Data Sheet

Date: May 04 2012

Technician: Chapman

TANK LEVELS (Pre-Decanting)

Total Liquids: 400 gallons

Oil Volume: 116 gallons

Water Volume: 284 gallons

TANK LEVELS (Post-Decanting*)

Water Volume: 144 gallons

* Wells Used for Decanting: PI-6/PI-20

WEATHER NOTES:

Rain - Damp much air last few days

Well	DTP	DTW	PT	Pump Status		¹ LNAPL recovered by:	Work performed/Observations
				Arrival	Departure		
12 N	1381	13.87	.06	on off	on off	pneu pump	working well
12 O	1366	14.55	.89	on off	on off	pneu pump	dry filter - appears charged - no oil
35	1269	13.44	.75	on off	on off	pneu pump	dry filter - Boiled well - cleaned filter - cleaned - preset
11	1314	14.08	.94	on off	on off	Bailed	seeds pump - Boiled well
7	1306	13.09		on off	on off	pneu pump	working well - Pres post flush @ oil
105	16.77	16.83	.06	on off	on off	spill Buster	working well 3 1/2" Prod drum
106	16.78	16.80	.02	on off	on off	spill Buster	working well 7 1/2" Prod drum - minimal prod
103	1655	16.62	.07	on off	on off	Bott Skimmer	18 1/2" Drums Prod drum - see below
34	1253			on off	on off		removed Product Sealed Absorbants
33	1286			on off	on off		removed very lightly stained Absorbants
19	1380	13.87	.07	on off	on off		placed Absorbants in well
104	1705	17.06	.01	on off	on off		Absorbants in well
39	1644			on off	on off		removed very lightly stained Absorbants
R well		11.39		on off	on off		no product

Use additional sheets if needed

1 - Method of LNAPL recovery - LNAPL recovered by Skimmer, pneumatic pump, Spill Buster, nad bail, oher?

Notes: ONLY 4 WELLS ON PNEUMATIC SYSTEM - Pumped mostly water - minimal product - Separated 140 GALS - 103 Leaky O ring
 Dismantled - cleaned tank - oil into prod tank - reset + replaced O ring - keep replacing pneumatic pumps
 with old parts - 106 new + PT 7 Have pumps purchased recently + all working well - need some new OEEs
 or alternate answer - 105 has made minimal product last few months - 106 minimal prod, no Gals
 in prod drum - tried new upper joint on 12 OEE

Remediation System Checklist

Description	Period	Checked (Y/N)	Comments
Complete tank inspection checklist	Monthly	n/a	Done
Gauge product and water level in tank	Each Visit	✓	
Inspect the tank secondary containment dike	Each Visit	✓	
Inspect fill boxes and product recovery lines on top of tank	Each Visit	✓	
Test high level and high-high level floats in tank	Quarterly	n/a	
Test low-pressure alarm	Quarterly	n/a	
Check pressure regulators in bldg. for each leg (set at 100 psi)	Each Visit	✓	95-92
Check that air dryer is cycling between towers	Each Visit	✓	
Check pressure on operating tower in air dryer (>100 psi)	Each Visit	✓	
Check pre-filter and after-filter indicators on air dryer	Each Visit	✓	
Check operating cycle of air compressor (130-170 psi)	Each Visit	✓	
Check oil level in compressor and add as necessary	Each Visit	✓	
Change oil in compressor	Every 2 Months	n/a	next visit
Drain compressor tank using manual override on auto-drain	Each Visit	✓	
Inspect the air lines for moisture	Quarterly	n/a	
Check pressure reading in each well box (>50psi, <90 psi)	Each Visit	✓	
Check clear hose in each well box to ensure product recovery	Each Visit	✓	
Gauge product and water level in each well	Each Visit	✓	
Check skimmer operation	Each Visit	✓	
Check Spill Bister operation	Each Visit	✓	
Check fluid levels in drums	Per Event	✓	

Technician:

T. Cimpon

Date:

MAY 24 2012

Bi-Weekly Site Visit Data Sheet

Date: JUNE 7 2012

Technician: T Cameron

TANK LEVELS (Pre-Decanting)

Total Liquids: 394 gallons

Oil Volume: 117 gallons

Water Volume: 277 gallons

TANK LEVELS (Post-Decanting*)

Water Volume: 147 gallons

* Wells Used for Decanting: PI-6/PI-20

WEATHER NOTES:

Nice Sun clouds 55°

Well	DTP	DTW	PT	Pump Status		¹LNAPl recovered by:	Work performed/Observations
				Arrival	Departure		
12 N	1354	13.57	.03	on off on off	on off on off	PNEU Pump	Rumping water + Prod
12 OLL	13.44	13.71	.27	on off on off	on off on off	PNEU Pump	Rumping water + Prod - changed filter
35	1241	12.50	.09	on off on off	on off on off	PNEU Pump	Working well
7	1259	12.66	.07	on off on off	on off on off	PNEU Pump	Prod - working well
11	1279	12.90	.11	on off on off	on off on off	Hollow Bail	Removed Prod soaker Absorbents - Replaced
105	16.39	16.46	.07	on off on off	on off on off	SPILL Buster	4 1/4" Prod stem
106	1652	1658	.06	on off on off	on off on off	SPILL Buster	7 3/4" Product stem
103	1628	1631	.03	on off on off	on off on off	Bott Skimmer	2 1/2" Product stem
34	1234			on off on off	on off on off		Removed absorbents - NO Product
33	1254			on off on off	on off on off		NO Product
104	1679			on off on off	on off on off		NO Product
19	1355	13.57		on off on off	on off on off		minimiz Prod - placed Absorbents in well
39		16.06		on off on off	on off on off		NO Product
Recovery Well		16.88		on off on off	on off on off		NO Product

Use additional sheets if needed

1 - Method of LNAPl recovery - LNAPl recovered by Skimmer, pneumatic pump, Spill Buster, nad bail, oher?

Notes: Installed new carbon scrub - Separated 130 gals - changed comp oil - not much product in wells

Monthly Above Ground Storage Tank Inspection Checklist

Date: SUM 7 2012

S/T: T Cameron

<u>Items to Be Check:</u>	<u>Response</u>	<u>Items to Be Check:</u>	<u>Response</u>
<u>Tank Shells and Roof:</u>		<u>Piping:</u>	
Discoloration	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA	Corrosion	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA
Corrosion	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA	Paint	S <input checked="" type="checkbox"/> U <input type="checkbox"/> NA
Cracks	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA	Supports	S <input checked="" type="checkbox"/> U <input type="checkbox"/> NA
Bulging	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA	High Level Alarm Condition/Operability*	S <input checked="" type="checkbox"/> U <input type="checkbox"/> NA
		Leak Detection System Condition/Operability*	S <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> NA
<u>Foundation:</u>		Tank Labels	S <input checked="" type="checkbox"/> U <input type="checkbox"/> NA
Cracking of Ringwall (If Applicable)	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA	Fuel Gauge Operational and Readable	S <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> NA
Uneven Settlement	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA	* Must Be Tested by Manual Activation	
Loosened Anchor Bolts	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA		
Stained	Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA	<u>Signage:</u>	
Condition of Concrete Pad and Legs	S <input checked="" type="checkbox"/> U <input type="checkbox"/> NA	No Smoking, Engine Off	Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA

Symbols: Y = Yes; N = No; S = Satisfactory; U = Unsatisfactory; NA=Not Applicable

(Note: The Underlined Symbol Is the Anticipated Response)

TANK INSPECTION LOG DAY/MONTH/YEAR

Remediation System Checklist

Description	Period	Checked (Y/N)	Comments
Complete tank inspection checklist	Monthly	✓	None
Gauge product and water level in tank	Each Visit	✓	
Inspect the tank secondary containment dike	Each Visit	✓	Dry
Inspect fill boxes and product recovery lines on top of tank	Each Visit	✓	
Test high level and high-high level floats in tank	Quarterly	n/a	
Test low-pressure alarm	Quarterly	✓	check for oil change
Check pressure regulators in bldg. for each leg (set at 100 psi)	Each Visit	✓	
Check that air dryer is cycling between towers	Each Visit	✓	
Check pressure on operating tower in air dryer (>100 psi)	Each Visit	✓	
Check pre-filter and after-filter indicators on air dryer	Each Visit	✓	
Check operating cycle of air compressor (130-170 psi)	Each Visit	✓	
Check oil level in compressor and add as necessary	Each Visit	n/a	
Change oil in compressor	Every 2 Months	✓	changed
Drain compressor tank using manual override on auto-drain	Each Visit	✓	
Inspect the air lines for moisture	Quarterly	n/a	
Check pressure reading in each well box (>50psi, <90 psi)	Each Visit	✓	
Check clear hose in each well box to ensure product recovery	Each Visit	✓	
Gauge product and water level in each well	Each Visit	✓	
Check skimmer operation	Each Visit	✓	
Check Spill Bister operation	Each Visit	✓	
Check fluid levels in drums	Per Event	✓	

Technician: T. Amerson

Date: 6/7/2012

Bi-Weekly Site Visit Data Sheet

Date: June 19, 2012

Technician: T. Amaro

TANK LEVELS (Pre-Decanting)

Total Liquids: 291 gallons

Oil Volume: 118 gallons

Water Volume: 173 gallons

WEATHER NOTES:

Cool - cloudy - damp

TANK LEVELS (Post-Decanting*)

Water Volume: _____ gallons

* Wells Used for Decanting: PI-6/PI-20

Well	DTP	DTW	PT	Pump Status		¹LNAPL recovered by:	Work performed/Observations
				Arrival	Departure		
PI 12 N	1359	13.70	.11	on	off	Pneu pump	System OFF
PI 12 O	1350	13.91	.41	on	off	Pneu pump	System OFF
PI 35	1246	12.86	.40	on	off	Pneu pump	System OFF
PI 7	12.75	12.81	.06	on	off	Pneu pump	System OFF
PI 11	1291	1310	.19	on	off	on	on
105	1664	16.70	.06	on	off	on	on
106	1676	16.81	.05	on	off	on	on
103	16.48	16.51	.03	on	off	on	on
104		17.06		on	off	on	on
34		12.28		on	off	on	on
33		12.71		on	off	on	on
19		1358		on	off	on	on
39		1617		on	off	on	on
Ref. WELL	17.01	17.02	.01	on	off	on	on

Use additional sheets if needed

1 - Method of LNAPL recovery - LNAPL recovered by Skimmer, pneumatic pump, Spill Buster, nad bail, other?

Notes: Spill Buster and Spill Buster with pump 61 feet in air > Reason - Different pumps to be delivered - system off as of 6/12 to check product influx - restricted system - Prod B116 up in 12N, 12O, 35 - pump out secondary containment lines

Remediation System Checklist

Description	Period	Checked (Y/N)	Comments
Complete tank inspection checklist	Monthly	N/A	
Gauge product and water level in tank	Each Visit	✓	
Inspect the tank secondary containment dike	Each Visit	✓	dry
Inspect fill boxes and product recovery lines on top of tank	Each Visit	✓	
Test high level and high-high level floats in tank	Quarterly	N/A	
Test low-pressure alarm	Quarterly	✓	Last visit
Check pressure regulators in bldg. for each leg (set at 100 psi)	Each Visit	✓	
Check that air dryer is cycling between towers	Each Visit	✓	
Check pressure on operating tower in air dryer (>100 psi)	Each Visit	✓	
Check pre-filter and after-filter indicators on air dryer	Each Visit	✓	
Check operating cycle of air compressor (130-170 psi)	Each Visit	✓	
Check oil level in compressor and add as necessary	Each Visit	✓	
Change oil in compressor	Every 2 Months	N/A	
Drain compressor tank using manual override on auto-drain	Each Visit	✓	
Inspect the air lines for moisture	Quarterly	N/A	
Check pressure reading in each well box (>50psi, <90 psi)	Each Visit	N/A	system off at monitoring
Check clear hose in each well box to ensure product recovery	Each Visit	N/A	system off at well monitoring
Gauge product and water level in each well	Each Visit	✓	
Check skimmer operation	Each Visit	✓	
Check Spill Buster operation	Each Visit	✓	
Check fluid levels in drums	Per Event	✓	

Technician: T. Cameron

Date: 6/19/12

System off at arrival
monitored wells -
turn NPS system back on